

Converting Colors

XYZ(76.4609, 91.2561, 70.1195)

Have a look what the booklet for
XYZ(76.4609, 91.2561, 70.1195)
contains.

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Color

**XYZ(76.3583, 91.2039,
70.0795)**

Conversions

Conversions Part 1

Format	Color
Hex	DDFFCB
RGB	221, 255, 203
RGB Percent	87%, 100%, 80%
CMY	0.1333, 0.0000, 0.2039
CMYK	0.13, 0.00, 0.20, 0.00
HSL	99°, 100%, 90%
HSV	99°, 20%, 100%
XYZ	76.3583, 91.2039, 70.0795
YIQ	238.9060, -3.5720, -23.3800

Conversions

Conversions Part 2

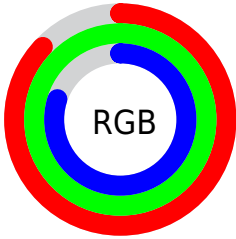
Format	Color
R_{YB}	203, 255, 237
Decimal	14548939
CIE _{Lab}	96.49, -20.08, 21.28
CIE _{LCh}	96, 29.253, 133.340
Yxy	91.2039, 0.3213, 0.3838
Android (android.graphics.Color)	4292739019 (0xFFDDFFCB)
YUV	238.9060, -17.7017, -15.7036
Hunter-Lab	95.5007, -24.4053, 23.3429

Details

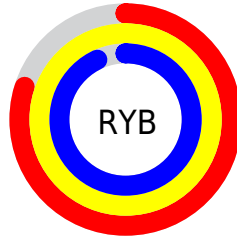
The XYZ color **76.3583, 91.2039, 70.0795** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **74.3318, 67.9376, 103.8033**, and the grayscale version is **82.1058, 86.3817, 94.0697**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.3448, 50.6651, 36.0340** is the 20% darker color. If you saturate the color by 10%, you get **68.7378, 87.5982, 55.1431**, and if you desaturate by 10%, it is **84.9841, 95.2702, 87.6746**.

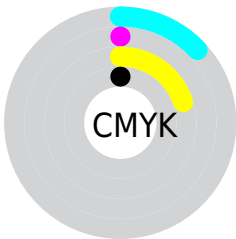
Distribution



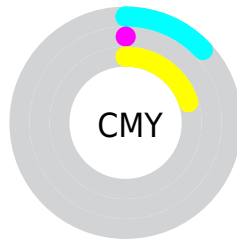
- Red (87%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (93%)



- Cyan (13%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (13%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.3583, 91.2039, 70.0795 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 76.3583, 91.2039, 70.0795 by changing the saturation by 10% instead.


 76.3583, 91.2039,
70.0795

 76.3583, 91.2039,
70.0795


471.4989,
531.9394, 479.6258

 57.0244, 68.9796,
51.1141


127.2109,
149.0095, 121.0043

 41.2651, 50.6951,
35.9221


159.4604,
185.3597, 153.8008

 28.7149, 35.9660,
24.0848


196.7458,
227.1872, 192.0448

 19.0084, 24.4079,
15.1838

239.4324,
274.8765, 236.1548

 11.7804, 15.6365,
8.8004

287.8857,
328.8119, 286.5494

 6.6655, 9.2673,
4.5162

342.4710,

 3.2982, 4.9159,

389.3780, 343.6470

1.9126

403.5536,
456.9590, 407.8663

■ 1.3134, 2.1980,
0.5007

■ 0.1932, 0.7189,
0.0000

■ 76.3583, 91.2039,
70.0795

■ 76.3583, 91.2039,
70.0795

■ 68.7378, 87.5982,
55.1431

■ 84.9841, 95.2702,
87.6746

■ 62.0818, 84.4347,
42.7321

94.6501, 99.8124,
108.0448

■ 56.3490, 81.6952,
32.7078

95.0500, 100.0000,
108.9000

■ 51.4943, 79.3600,
24.9164

■ 47.4683, 77.4071,
19.1863

■ 44.2156, 75.8125,
15.3207

■ 41.6727, 74.5484,
13.0847

■ 39.8100, 73.6078,
12.1095

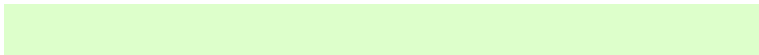
Harmonies

Analogous

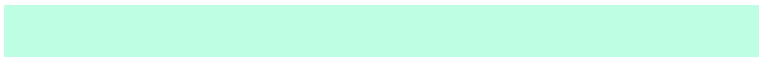
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.1168, 91.2039, 61.6871



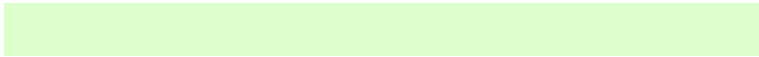
76.3583, 91.2039, 70.0795



72.5078, 91.2039, 86.9724

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.3583, 91.2039, 70.0795



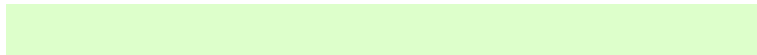
82.2658, 91.2039, 148.8721



102.8663, 91.2039, 89.2949

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



76.3583, 91.2039, 70.0795



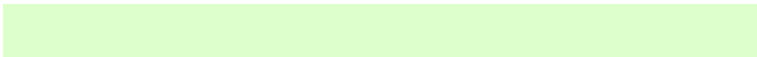
74.3318, 67.9376, 103.8033

Split Complementary

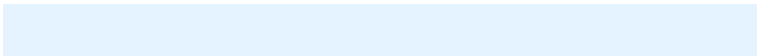
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



102.6028, 91.2039, 112.7528



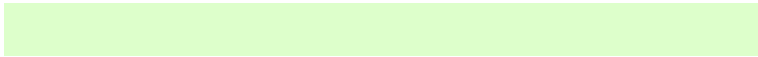
76.3583, 91.2039, 70.0795



90.3571, 91.2039, 149.7565

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



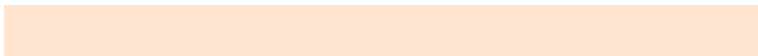
76.3583, 91.2039, 70.0795



75.7691, 91.2039, 133.4466



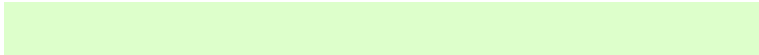
97.9066, 91.2039, 135.7011



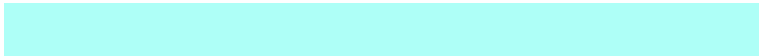
98.6054, 91.2039, 71.5490

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.3583, 91.2039, 70.0795



71.9482, 91.2039, 101.9463



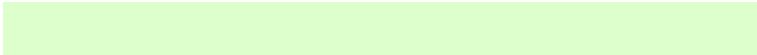
97.9066, 91.2039, 135.7011



103.3116, 91.2039, 96.7108

Sweetspot

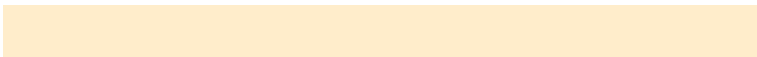
The Sweet Spot groups the original color and five complimentary colors.



76.3589, 91.2042, 70.0809



89.0985, 97.2052, 96.2711



82.2463, 86.0250, 68.7709



18.9370, 20.7431, 20.3250



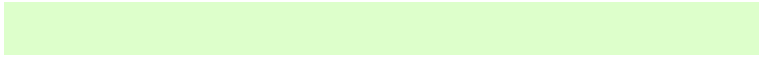
0.0000, 0.0000, 0.0000



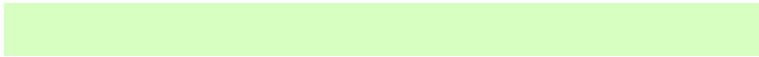
20.3446, 21.4041, 23.3091

Same Dimension

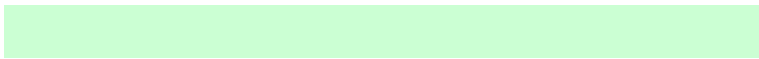
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.3589, 91.2042, 70.0809



73.4949, 89.8508, 64.3906



72.1222, 88.9100, 74.8579



18.3645, 20.4738, 19.1283



20.9457, 38.5360, 6.3342



2.1517, 3.8100, 0.6220

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



74.3318, 67.9376, 103.8033



71.1685, 63.1758, 103.0509



79.4159, 70.7007, 97.6188



18.1465, 17.9672, 22.7616



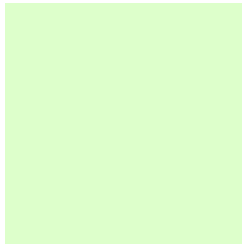
17.8961, 8.1362, 50.0618



1.8602, 0.8529, 4.8799

Previews

White Background



This preview shows how the XYZ color 76.3583, 91.2039, 70.0795 looks on a white background.

Color Contrast Check

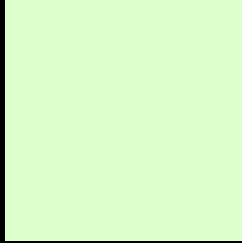
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 76.3583, 91.2039, 70.0795 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

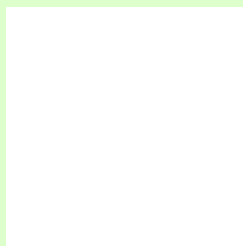
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.3583, 91.2039, 70.0795

Background



This preview shows how black text looks on a background with the XYZ color 76.3583, 91.2039, 70.0795.



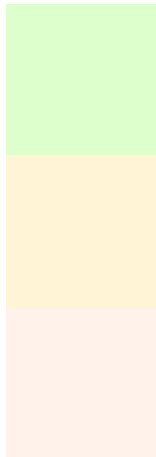
This preview shows how white text looks on a background with the XYZ color 76.3583, 91.2039,

70.0795.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

76.3583, 91.2039, 70.0795

Protanopia

85.6009, 90.7655, 75.9586

Deuteranopia

87.9875, 90.7624, 91.4787



Tritanopia

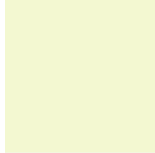
85.9623, 90.7020, 107.5843

Trichromacy



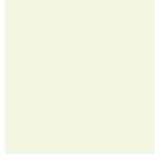
Original Color

76.3583, 91.2039, 70.0795



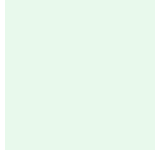
Protanomaly

82.0382, 90.7929, 73.5225



Deuteranomaly

83.5422, 90.9039, 82.9551



Tritanomaly

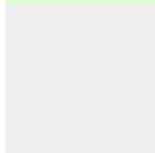
82.2947, 90.9633, 92.5772

Monochromacy



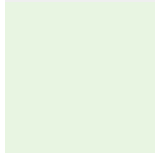
Original Color

76.3583, 91.2039, 70.0795



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

79.6586, 87.9516, 84.7294

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.3583, 91.2039, 70.0795 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(221, 255, 203)` looks like.

```
.text, #text, p{  
    color:rgb(221, 255, 203)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(221, 255, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 255, 203) }
```

Border

The CSS property to change the border of an element to XYZ 76.3583, 91.2039, 70.0795 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(221, 255, 203) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(221, 255, 203) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(221, 255, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 255, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 255, 203);  
box-shadow:4px 4px 4px 4px rgb(221, 255,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 76.3583, 91.2039, 70.0795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 255, 203) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(221,  
255, 203) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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