

Converting Colors

XYZ(129.2024, 196.3168,
80.6638)

Have a look what the booklet for
XYZ(129.2024, 196.3168, 80.6638)
contains.

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Color

**XYZ(76.9530, 91.6567,
63.5048)**

Conversions

Conversions Part 1

Format	Color
Hex	E3FFC0
RGB	227, 255, 192
RGB Percent	89%, 100%, 75%
CMY	0.1098, 0.0000, 0.2471
CMYK	0.11, 0.00, 0.25, 0.00
HSL	87°, 100%, 88%
HSV	87°, 25%, 100%
XYZ	76.9530, 91.6567, 63.5048
YIQ	239.4460, 3.5350, -25.5290

Conversions

Conversions Part 2

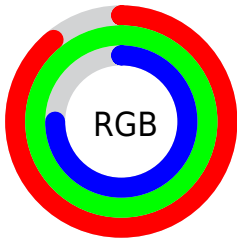
Format	Color
RYB	192, 255, 220
Decimal	14942144
CIELab	96.68, -19.67, 27.17
CIELCh	97, 33.549, 125.905
Yxy	91.6567, 0.3315, 0.3949
Android (android.graphics.Color)	4293132224 (0xFFE3FFC0)
YUV	239.4460, -23.3909, -10.9151
Hunter-Lab	95.7375, -24.0638, 27.6879

Details

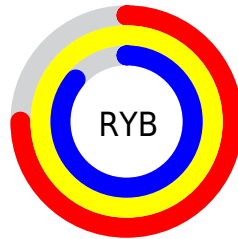
The XYZ color **76.9530, 91.6567, 63.5048** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **66.4158, 60.1361, 102.7147**, and the grayscale version is **82.5658, 86.8657, 94.5967**.

A 20% lighter version of the original color is **94.0989, 99.6196, 103.8915**, and **41.5761, 50.8811, 31.6745** is the 20% darker color. If you saturate the color by 10%, you get **70.9098, 88.8400, 49.7289**, and if you desaturate by 10%, it is **83.7220, 94.7910, 79.8725**.

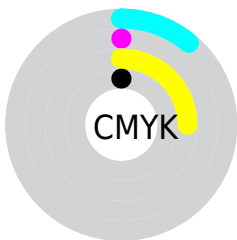
Distribution



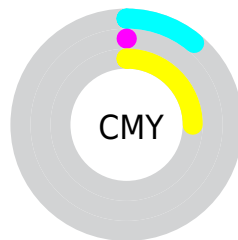
- Red (89%)
- Green (100%)
- Blue (75%)



- Red (75%)
- Yellow (100%)
- Blue (86%)



- Cyan (11%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)





- Cyan (11%)
- Magenta (0%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.9530, 91.6567, 63.5048 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 76.9530, 91.6567, 63.5048 by changing the saturation by 10% instead.


 76.9530, 91.6567,
63.5048

 76.9530, 91.6567,
63.5048


473.4982,
533.4054, 455.5575

 57.5141, 69.3555,
45.8061


 128.0463,
149.6375, 111.4901

 41.6599, 51.0013,
31.7453


160.4315,
186.0859, 142.6137

 29.0250, 36.2096,
20.9038


197.8627,
228.0189, 179.0494

 19.2441, 24.5962,
12.8631


240.7054,
275.8207, 221.2156

 11.9519, 15.7764,
7.2048

289.3250,
329.8759, 269.5310

 6.7829, 9.3661,
3.5101

344.0867,

 3.3718, 4.9807,

390.5689, 324.4141

1.3606

405.3560,
458.2839, 386.2834

■ 1.3533, 2.2360,
0.1107

■ 0.2226, 0.7395,
0.0000

■ 76.9530, 91.6567,
63.5048

■ 76.9530, 91.6567,
63.5048

■ 70.9098, 88.8400,
49.7289

■ 83.7220, 94.7910,
79.8725

■ 65.5614, 86.3278,
38.4077

■ 91.2433, 98.2538,
98.9516

■ 60.8760, 84.1069,
29.3974

95.0500, 100.0000,
108.9000

■ 56.8184, 82.1628,
22.5377

■ 53.3496, 80.4792,
17.6480

■ 50.4244, 79.0375,
14.5178

■ 47.9885, 77.8152,
12.8886

■ 46.8581, 77.2413,
12.4394

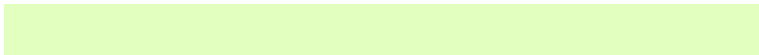
Harmonies

Analogous

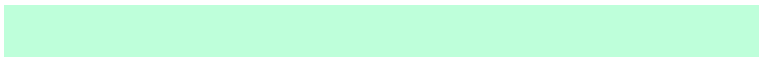
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.2729, 91.6567, 56.6987



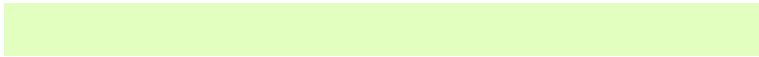
76.9530, 91.6567, 63.5048



71.6543, 91.6567, 80.1441

Triad

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



76.9530, 91.6567, 63.5048



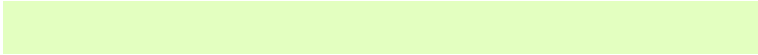
79.9527, 91.6567, 154.8274



106.3362, 91.6567, 94.5735

Complementary

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



76.9530, 91.6567, 63.5048



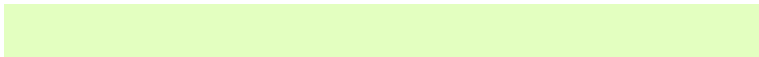
66.4158, 60.1361, 102.7147

Split Complementary

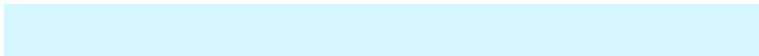
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



104.6580, 91.6567, 122.4292



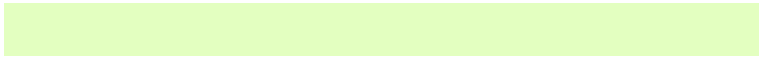
76.9530, 91.6567, 63.5048



88.9874, 91.6567, 160.5663

Square

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



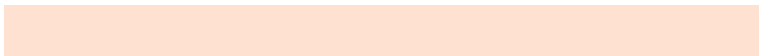
76.9530, 91.6567, 63.5048



73.2971, 91.6567, 133.2933



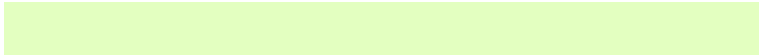
98.1386, 91.6567, 147.8080



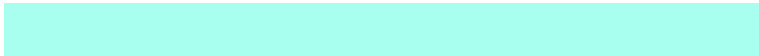
102.5731, 91.6567, 72.4451

Rectangle

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



76.9530, 91.6567, 63.5048



70.3222, 91.6567, 96.1518



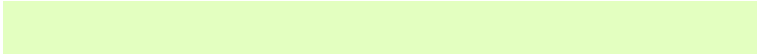
98.1386, 91.6567, 147.8080



106.3930, 91.6567, 103.5364

Sweetspot

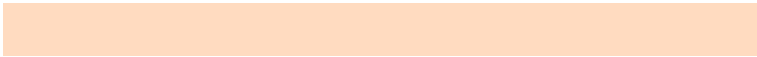
The Sweet Spot groups the original color and five complimentary colors.



76.9535, 91.6569, 63.5061



89.4493, 97.4295, 94.3270



76.1649, 75.8862, 60.5037



19.0463, 20.8081, 19.9348



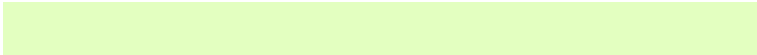
0.0000, 0.0000, 0.0000



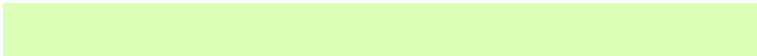
20.3446, 21.4041, 23.3091

Same Dimension

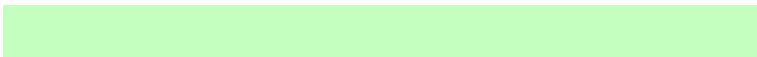
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.9535, 91.6569, 63.5061



73.6649, 90.1266, 55.8968



68.0922, 87.0888, 63.0914



18.7367, 20.6657, 19.1457



24.6589, 40.4502, 6.5080



2.5267, 4.0033, 0.6395

Inverse Universe

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



66.4158, 60.1361, 102.7147



61.3659, 53.3316, 101.6674



76.6118, 65.3924, 103.1919



17.7694, 17.7728, 22.7439



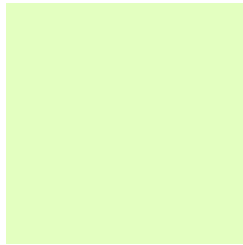
13.1779, 5.7039, 49.8410



1.4064, 0.6189, 4.8586

Previews

White Background



This preview shows how the XYZ color 76.9530, 91.6567, 63.5048 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 76.9530, 91.6567, 63.5048 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

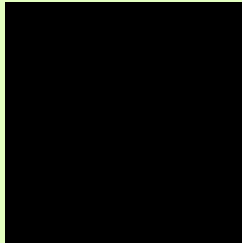
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

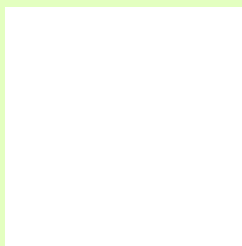
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.9530, 91.6567, 63.5048

Background



This preview shows how black text looks on a background with the XYZ color 76.9530, 91.6567, 63.5048.



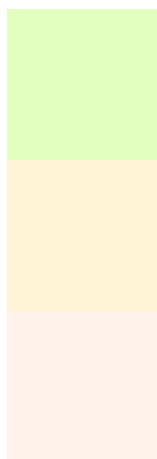
This preview shows how white text looks on a background with the XYZ color 76.9530, 91.6567,

63.5048.

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

76.9530, 91.6567, 63.5048

Protanopia

86.0300, 91.4199, 76.7299

Deuteranopia

88.2860, 91.3593, 91.5782



Tritanopia

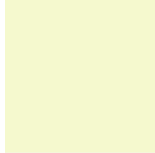
86.9780, 91.2256, 107.6318

Trichromacy



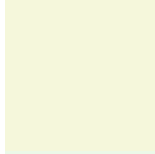
Original Color

76.9530, 91.6567, 63.5048



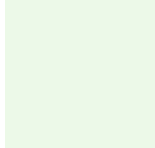
Protanomaly

82.6724, 91.6201, 71.7197



Deuteranomaly

83.7031, 91.0485, 80.1803



Tritanomaly

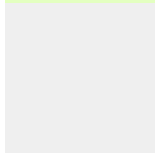
83.0332, 91.4104, 89.6116

Monochromacy



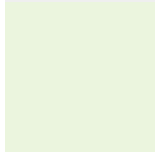
Original Color

76.9530, 91.6567, 63.5048



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

80.0982, 88.2409, 81.9178

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.9530, 91.6567, 63.5048 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(227, 255, 192)` looks like.

```
.text, #text, p{  
    color:rgb(227, 255, 192)  
}
```

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(227, 255, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 255, 192) }
```

Border

The CSS property to change the border of an element to XYZ 76.9530, 91.6567, 63.5048 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(227, 255, 192) }
```


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

```
.border{ border-color:rgb(227, 255, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 255, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 255, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 255, 192);  
box-shadow:4px 4px 4px 4px rgb(227, 255,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 76.9530, 91.6567, 63.5048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 255, 192) }
```

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

```
.background{ background-color: rgb(227,  
255, 192) }
```

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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