

Converting Colors

XYZ(77.4730, 97.1787, 61.9014)

Have a look what the booklet for
XYZ(77.4730, 97.1787, 61.9014)
contains.

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Color

**XYZ(73.9431, 90.1679,
60.5206)**

Conversions

Conversions Part 1

Format	Color
Hex	DBFFBB
RGB	219, 255, 187
RGB Percent	86%, 100%, 73%
CMY	0.1412, 0.0000, 0.2667
CMYK	0.14, 0.00, 0.27, 0.00
HSL	92°, 100%, 87%
HSV	92°, 27%, 100%
XYZ	73.9431, 90.1679, 60.5206
YIQ	236.4840, 0.3720, -28.7800

Conversions

Conversions Part 2

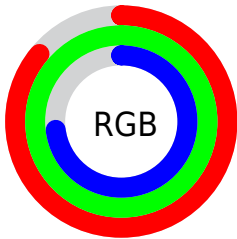
Format	Color
RYB	187, 255, 223
Decimal	14417851
CIELab	96.07, -23.19, 28.78
CIELCh	96, 36.956, 128.861
Yxy	90.1679, 0.3292, 0.4014
Android (android.graphics.Color)	4292607931 (0xFFDBFFBB)
YUV	236.4840, -24.3956, -15.3335
Hunter-Lab	94.9568, -27.1759, 28.6813

Details

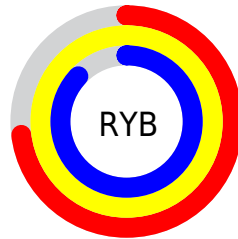
The XYZ color **73.9431, 90.1679, 60.5206** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **66.2526, 58.4498, 102.3978**, and the grayscale version is **80.2804, 84.4612, 91.9783**.

A 20% lighter version of the original color is **93.1777, 99.2511, 99.0404**, and **39.5320, 49.8682, 29.7323** is the 20% darker color. If you saturate the color by 10%, you get **67.5527, 87.1615, 47.2144**, and if you desaturate by 10%, it is **81.1488, 93.5386, 76.3978**.

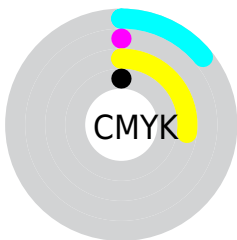
Distribution



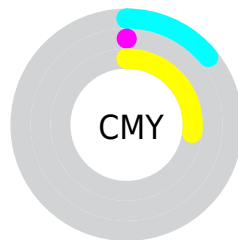
- Red (86%)
- Green (100%)
- Blue (73%)



- Red (73%)
- Yellow (100%)
- Blue (87%)



- Cyan (14%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)





- Cyan (14%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 73.9431, 90.1679, 60.5206 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 73.9431, 90.1679, 60.5206 by changing the saturation by 10% instead.


 73.9431, 90.1679,
60.5206

 73.9431, 90.1679,
60.5206

463.3303,
528.5769, 444.3718

 55.0386, 68.1199,
43.4104


 123.8111,
147.5716, 107.1352

 39.6666, 49.9953,
29.8734


155.5053,
183.6961, 137.4767

 27.4617, 35.4097,
19.4913


192.1934,
225.2815, 173.0657

 18.0587, 23.9786,
11.8454

234.2408,
272.7123, 214.3207

 11.0921, 15.3178,
6.5172

282.0128,
326.3729, 261.6603

 6.1965, 9.0427,
3.0882

335.8748,

 3.0067, 4.7690,

386.6475, 315.5030

1.1399

396.1922,
453.9207, 376.2673

■ 1.1573, 2.1124,
0.0000

■ 0.0723, 0.6716,
0.0000

■ 73.9431, 90.1679,
60.5206

■ 73.9431, 90.1679,
60.5206

■ 67.5527, 87.1615,
47.2144

■ 81.1488, 93.5386,
76.3978

■ 61.9426, 84.5042,
36.3396

■ 89.1994, 97.2862,
94.9675

■ 57.0771, 82.1811,
27.7499

95.0500, 100.0000,
108.9000

■ 52.9170, 80.1753,
21.2812

■ 49.4182, 78.4683,
16.7476

■ 46.5301, 77.0388,
13.9311

■ 44.1913, 75.8611,
12.5577

■ 43.5056, 75.5130,
12.2825

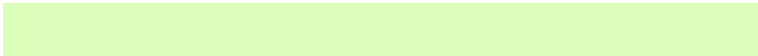
Harmonies

Analogous

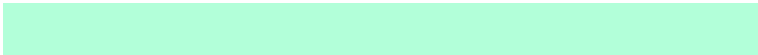
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.7075, 90.1679, 52.3723



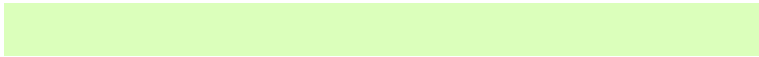
73.9431, 90.1679, 60.5206



68.6334, 90.1679, 79.2308

Triad

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



73.9431, 90.1679, 60.5206



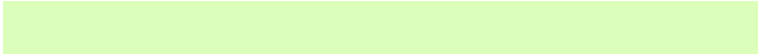
78.8021, 90.1679, 160.6516



106.6435, 90.1679, 89.7531

Complementary

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



73.9431, 90.1679, 60.5206



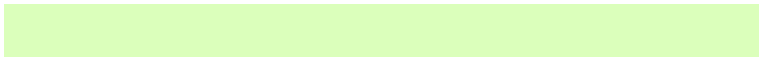
66.2526, 58.4498, 102.3978

Split Complementary

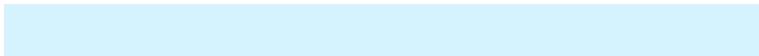
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



105.3888, 90.1679, 119.9269



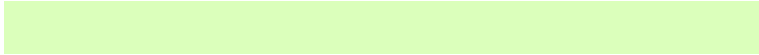
73.9431, 90.1679, 60.5206



88.7677, 90.1679, 165.0209

Square

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



73.9431, 90.1679, 60.5206



71.2796, 90.1679, 137.9347



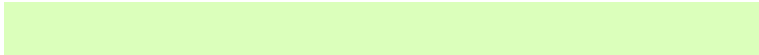
98.6455, 90.1679, 148.9005



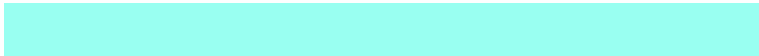
101.9491, 90.1679, 66.9037

Rectangle

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



73.9431, 90.1679, 60.5206



67.5015, 90.1679, 97.0620



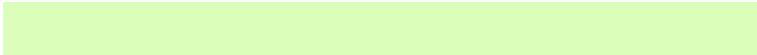
98.6455, 90.1679, 148.9005



106.9109, 90.1679, 99.3016

Sweetspot

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



73.9436, 90.1682, 60.5219



88.0753, 96.7639, 92.3299



76.3669, 77.1620, 57.8838



18.5844, 20.5872, 19.1386



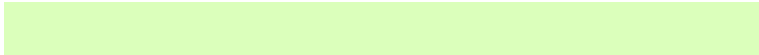
0.0000, 0.0000, 0.0000



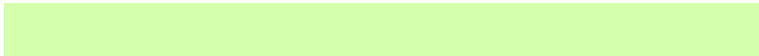
20.3446, 21.4041, 23.3091

Same Dimension

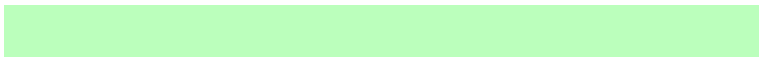
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.9436, 90.1682, 60.5219



70.4353, 88.5200, 53.1121



65.3458, 85.7218, 60.7555



18.5844, 20.5872, 19.1386



22.9018, 39.5444, 6.4258



2.3547, 3.9147, 0.6315

Inverse Universe

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



66.2526, 58.4498, 102.3978



61.5670, 51.9513, 101.3904



76.8789, 63.9488, 101.9455



17.9211, 17.8511, 22.7510



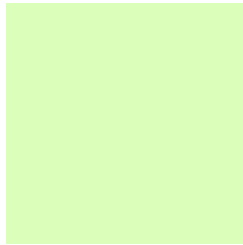
14.8264, 6.5538, 49.9182



1.5698, 0.7032, 4.8663

Previews

White Background



This preview shows how the XYZ color 73.9431, 90.1679, 60.5206 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 73.9431, 90.1679, 60.5206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

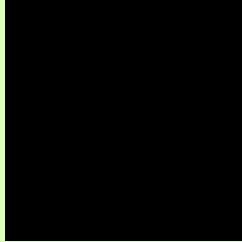
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

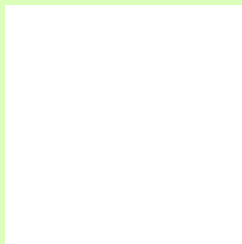
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 73.9431, 90.1679, 60.5206

Background



This preview shows how black text looks on a background with the XYZ color 73.9431, 90.1679, 60.5206.

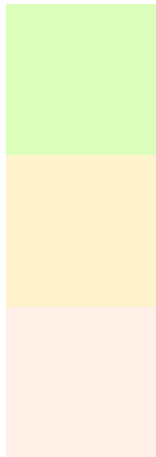


This preview shows how white text looks on a background with the XYZ color 73.9431, 90.1679,

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

73.9431, 90.1679, 60.5206

Protanopia

84.3100, 89.7690, 70.6411

Deuteranopia

87.1191, 89.9401, 88.3698



Tritanopia

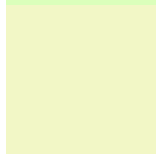
84.9928, 89.7542, 107.4524

Trichromacy



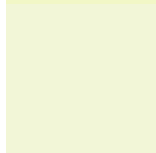
Original Color

73.9431, 90.1679, 60.5206



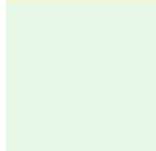
Protanomaly

80.0718, 89.4760, 66.4764



Deuteranomaly

81.8395, 89.6951, 77.2895



Tritanomaly

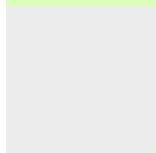
80.4835, 89.6710, 87.9292

Monochromacy



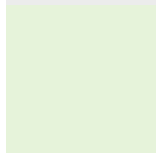
Original Color

73.9431, 90.1679, 60.5206



Achromatopsia

79.7278, 83.8799, 91.3452



Achromatomaly

77.3386, 85.9861, 78.8505

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.9431, 90.1679, 60.5206 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(219, 255, 187)` looks like.

```
.text, #text, p{  
    color:rgb(219, 255, 187)  
}
```

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(219, 255, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 255, 187) }
```

Border

The CSS property to change the border of an element to XYZ 73.9431, 90.1679, 60.5206 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(219, 255, 187) }
```


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

```
.border{ border-color:rgb(219, 255, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 255, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 255, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 255, 187);  
box-shadow:4px 4px 4px 4px rgb(219, 255,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 73.9431, 90.1679, 60.5206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 255, 187) }
```

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

```
.background{ background-color: rgb(219,  
255, 187) }
```

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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