

Converting Colors

XYZ(65.3489, 76.7102, 72.1792)

Have a look what the booklet for
XYZ(65.3489, 76.7102, 72.1792)
contains.

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Color

**XYZ(65.4477, 76.9234,
72.3710)**

Conversions

Conversions Part 1

Format	Color
Hex	C8ECD2
RGB	200, 236, 210
RGB Percent	78%, 93%, 82%
CMY	0.2157, 0.0745, 0.1765
CMYK	0.15, 0.00, 0.11, 0.07
HSL	137°, 49%, 85%
HSV	137°, 15%, 93%
XYZ	65.4477, 76.9234, 72.3710
YIQ	222.2720, -13.1100, -15.7180

Conversions

Conversions Part 2

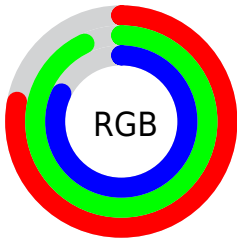
Format	Color
R_{YB}	200, 228, 236
Decimal	13167826
CIE _{Lab}	90.29, -16.61, 8.71
CIE _{LCh}	90, 18.752, 152.319
Yxy	76.9234, 0.3048, 0.3582
Android (android.graphics.Color)	4291357906 (0xFFC8ECD2)
YUV	222.2720, -6.0501, -19.5325
Hunter-Lab	87.7060, -20.2857, 12.4708

Details

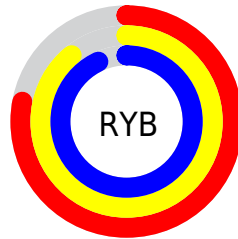
The XYZ color **65.4477, 76.9234, 72.3710** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **68.9765, 64.6342, 80.7951**, and the grayscale version is **69.6732, 73.3016, 79.8254**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.1761, 41.1538, 37.5947** is the 20% darker color. If you saturate the color by 10%, you get **57.6130, 73.1191, 61.5035**, and if you desaturate by 10%, it is **74.4858, 81.3263, 84.4788**.

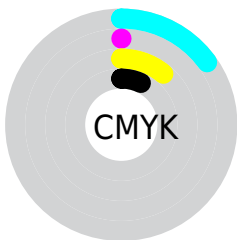
Distribution



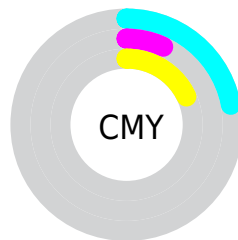
- Red (78%)
- Green (93%)
- Blue (82%)



- Red (78%)
- Yellow (89%)
- Blue (93%)



- Cyan (15%)
- Magenta (0%)
- Yellow (11%)
- Black (7%)



- Cyan (22%)
- Magenta (7%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.4477, 76.9234, 72.3710 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 65.4477, 76.9234, 72.3710 by changing the saturation by 10% instead.

65.4477, 76.9234,
72.3710

65.4477, 76.9234,
72.3710

433.9189,
484.5028, 487.8441

48.0902, 57.1900,
52.9731

111.7554,
129.0313, 124.2965

34.1099, 41.1578,
37.3937

141.4363,
162.1747, 157.6611

23.1413, 28.4424,
25.2143

175.9558,
200.5568, 196.5185

14.8192, 18.6594,
16.0163

215.6792,
244.5621, 241.2870

8.7781, 11.4244,
9.3812

260.9719,
294.5749, 292.3853

4.6527, 6.3531,
4.8905

312.1991,

2.0776, 3.0609,

350.9798, 350.2319

2.1255

369.7264,
414.1609, 415.2453

■ 0.6770, 1.1636,
0.6309

■ 0.0000, 0.0317,
0.0000

■ 65.4477, 76.9234,
72.3710

■ 65.4477, 76.9234,
72.3710

■ 57.6130, 73.1191,
61.5035

■ 74.4858, 81.3263,
84.4788

■ 50.9239, 69.8778,
51.8321

■ 84.7693, 86.3421,
97.8593

■ 45.3270, 67.1752,
43.3171

■ 89.2869, 88.4739,
106.9790

■ 40.7623, 64.9812,
35.9149

■ 37.1639, 63.2626,
29.5791

■ 34.4575, 61.9824,
24.2599

■ 32.5580, 61.0976,
19.9035

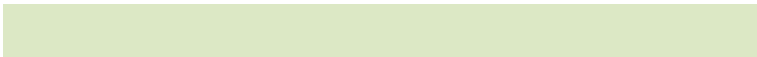
■ 31.3615, 60.5559,
16.4507

■ 30.9672, 60.3820,
15.1081

Harmonies

Analogous

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



68.4177, 76.9234, 63.8526



65.4477, 76.9234, 72.3710



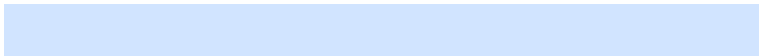
64.5047, 76.9234, 84.8014

Triad

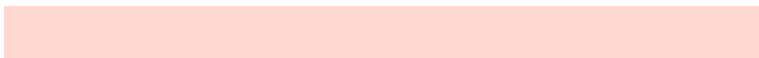
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



65.4477, 76.9234, 72.3710



73.4773, 76.9234, 112.1637



80.9659, 76.9234, 70.7482

Complementary

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



65.4477, 76.9234, 72.3710



68.9765, 64.6342, 80.7951

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.



82.4558, 76.9234, 82.7202



65.4477, 76.9234, 72.3710



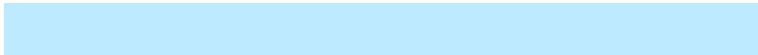
78.0191, 76.9234, 107.4184

Square

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



65.4477, 76.9234, 72.3710



69.0216, 76.9234, 108.6514



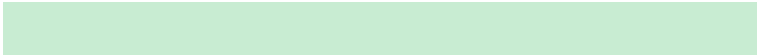
81.3554, 76.9234, 96.2776



77.3638, 76.9234, 62.9882

Rectangle

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



65.4477, 76.9234, 72.3710



65.1186, 76.9234, 93.9055



81.3554, 76.9234, 96.2776



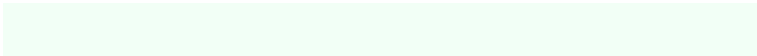
81.7371, 76.9234, 74.3664

Sweetspot

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



65.4498, 76.9267, 72.3727



89.0664, 97.0825, 101.0655



71.9134, 80.3982, 66.3726



18.8903, 20.6951, 21.4031



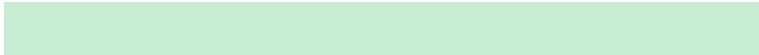
0.0000, 0.0000, 0.0000



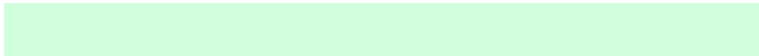
20.3446, 21.4041, 23.3091

Same Dimension

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



65.4498, 76.9267, 72.3727



75.2474, 90.3557, 82.4757



67.7654, 77.8529, 84.5666



15.0403, 16.9309, 16.8948



17.1160, 33.3009, 8.5759



1.3836, 2.6308, 0.8821

Inverse Universe

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



68.9765, 64.6342, 80.7951



80.1297, 73.3359, 94.1340



66.6831, 63.7169, 68.7184



15.5260, 15.2382, 18.0551



23.1484, 11.4620, 22.3805



1.8581, 0.9162, 1.9703

Previews

White Background



This preview shows how the XYZ color 65.4477, 76.9234, 72.3710 looks on a white background.

Color Contrast Check

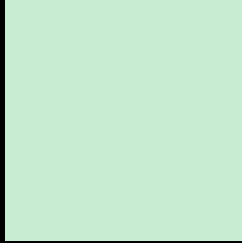
Large Text (above 18pt) WCAG AA × Fail

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 65.4477, 76.9234, 72.3710 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

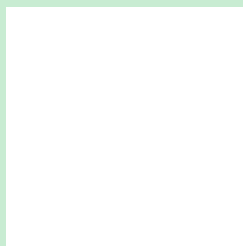
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.4477, 76.9234, 72.3710

Background



This preview shows how black text looks on a background with the XYZ color 65.4477, 76.9234, 72.3710.



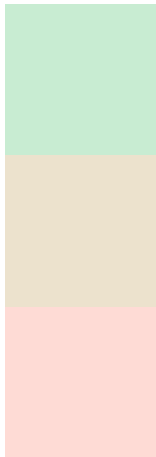
This preview shows how white text looks on a background with the XYZ color 65.4477, 76.9234,

72.3710.

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

65.4477, 76.9234, 72.3710

Protanopia

72.8079, 76.6334, 68.7119

Deuteranopia

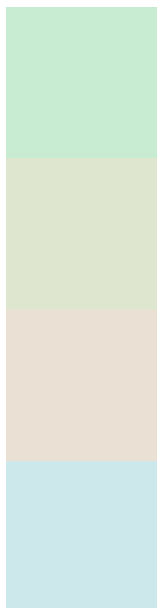
78.2148, 76.5380, 73.6017



Tritanopia

71.1278, 76.6986, 100.6780

Trichromacy



Original Color

65.4477, 76.9234, 72.3710

Protanomaly

69.9907, 76.7866, 70.1639

Deuteranomaly

72.7406, 76.0963, 73.1416

Tritanomaly

68.7538, 76.5488, 89.7489

Monochromacy



Original Color

65.4477, 76.9234, 72.3710

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

67.8555, 74.2963, 77.0939

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.4477, 76.9234, 72.3710 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(200, 236, 210)` looks like.

```
.text, #text, p{  
    color:rgb(200, 236, 210)  
}
```

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(200, 236, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 236, 210) }
```

Border

The CSS property to change the border of an element to XYZ 65.4477, 76.9234, 72.3710 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(200, 236, 210) }
```


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

```
.border{ border-color:rgb(200, 236, 210) }
```

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

Here you see how a box with a 4 pixel rgb(200, 236, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 236, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 236, 210);  
box-shadow:4px 4px 4px 4px rgb(200, 236,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 65.4477, 76.9234, 72.3710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 236, 210) }
```

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

```
.background{ background-color: rgb(200,  
236, 210) }
```

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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