

Converting Colors

XYZ(65.3392, 78.7872, 50.5755)

Have a look what the booklet for
XYZ(65.3392, 78.7872, 50.5755)
contains.

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Color

**XYZ(65.1769, 78.5604,
50.7582)**

Conversions

Conversions Part 1

Format	Color
Hex	D3EFAC
RGB	211, 239, 172
RGB Percent	83%, 94%, 67%
CMY	0.1725, 0.0627, 0.3255
CMYK	0.12, 0.00, 0.28, 0.06
HSL	85°, 68%, 81%
HSV	85°, 28%, 94%
XYZ	65.1769, 78.5604, 50.7582
YIQ	222.9900, 4.8190, -26.7730

Conversions

Conversions Part 2

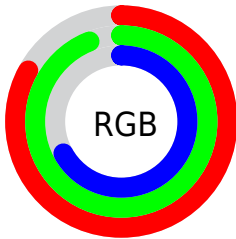
Format	Color
RYB	172, 239, 200
Decimal	13889452
CIELab	91.04, -20.44, 29.47
CIELCh	91, 35.864, 124.751
Yxy	78.5604, 0.3351, 0.4039
Android (android.graphics.Color)	4292079532 (0xFFD3EFAC)
YUV	222.9900, -25.1381, -10.5152
Hunter-Lab	88.6343, -23.8507, 28.0904

Details

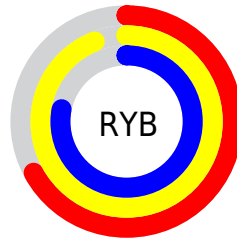
The XYZ color **65.1769, 78.5604, 50.7582** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **54.1550, 48.0185, 88.0798**, and the grayscale version is **70.3045, 73.9658, 80.5487**.

A 20% lighter version of the original color is **91.0036, 98.3814, 87.5919**, and **33.9736, 42.2668, 23.8205** is the 20% darker color. If you saturate the color by 10%, you get **60.3119, 76.2966, 39.6071**, and if you desaturate by 10%, it is **70.6367, 81.0879, 64.0951**.

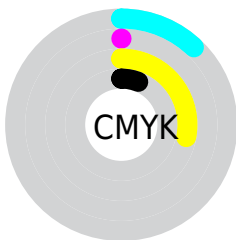
Distribution



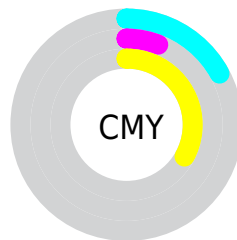
- Red (83%)
- Green (94%)
- Blue (67%)



- Red (67%)
- Yellow (94%)
- Blue (78%)



- Cyan (12%)
- Magenta (0%)
- Yellow (28%)
- Black (6%)



- Cyan (17%)
- Magenta (6%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.1769, 78.5604, 50.7582 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 65.1769, 78.5604, 50.7582 by changing the saturation by 10% instead.

65.1769, 78.5604,
50.7582

65.1769, 78.5604,
50.7582

432.9626,
490.0679, 406.4433

47.8698, 58.5344,
35.6408

111.3684,
131.3398, 92.7051

33.9346, 42.2385,
23.8694

140.9836,
164.8621, 120.3717

23.0060, 29.2881,
15.0255

175.4321,
203.6519, 153.0584

14.7187, 19.2988,
8.6905

215.0793,
248.0936, 191.1839

8.7072, 11.8864,
4.4458

260.2906,
298.5717, 235.1665

4.6063, 6.6664,
1.8729


311.4313,


2.0505, 3.2543,


355.4705, 285.4250


0.4754


368.8669,
419.1745, 342.3777


 0.6621, 1.2659,
0.0000


 0.0000, 0.1146,
0.0000


 65.1769, 78.5604,
50.7582


 65.1769, 78.5604,
50.7582


 60.3119, 76.2966,
39.6071


 70.6367, 81.0879,
64.0951


 56.0103, 74.2757,
30.5201

 76.7088, 83.8786,
79.7209

 52.2466, 72.4898,
23.3713

 83.4174, 86.9452,
97.7379

 48.9905, 70.9263,
18.0187

 88.6868, 89.4577,
107.2005

■ 46.2080, 69.5713,
14.3013

■ 90.1581, 90.2162,
107.2694

■ 43.8594, 68.4084,
12.0291

■ 41.8911, 67.4158,
10.9396

■ 41.5341, 67.2347,
10.7885

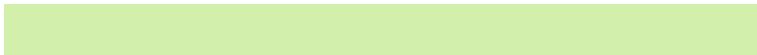
Harmonies

Analogous

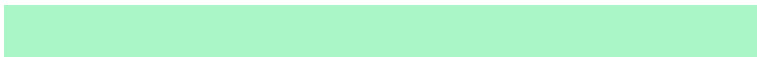
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.2363, 78.5604, 44.8439



65.1769, 78.5604, 50.7582



60.0011, 78.5604, 65.9813

Triad

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



65.1769, 78.5604, 50.7582



67.4852, 78.5604, 139.0373



93.4017, 78.5604, 81.4746

Complementary

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



65.1769, 78.5604, 50.7582



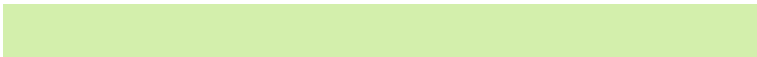
54.1550, 48.0185, 88.0798

Split Complementary

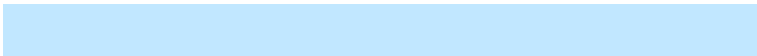
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.5522, 78.5604, 108.6233



65.1769, 78.5604, 50.7582



76.1209, 78.5604, 145.4842

Square

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



65.1769, 78.5604, 50.7582



61.2563, 78.5604, 117.2306



85.0413, 78.5604, 133.4050



89.9099, 78.5604, 60.1451

Rectangle

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



65.1769, 78.5604, 50.7582



58.6368, 78.5604, 81.0572



85.0413, 78.5604, 133.4050



93.3864, 78.5604, 90.1829

Sweetspot

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



65.1789, 78.5638, 50.7599



88.8701, 97.1737, 92.3670



63.6809, 62.6019, 47.7579



18.7845, 20.6904, 19.1479



0.0000, 0.0000, 0.0000



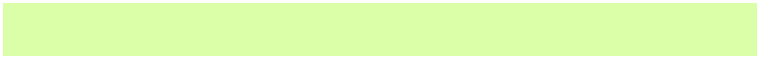
20.3446, 21.4041, 23.3091

Same Dimension

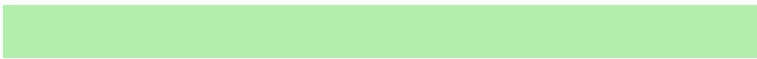
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.1789, 78.5638, 50.7599



71.9980, 89.3817, 50.6502



56.5799, 74.1309, 50.3575



16.4473, 18.1108, 16.7786



23.1044, 37.2323, 5.9688



2.0352, 3.1557, 0.5018

Inverse Universe

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



54.1550, 48.0185, 88.0798



57.1574, 48.2495, 100.9083



64.0759, 53.1329, 88.5441



15.5233, 15.5515, 19.9052



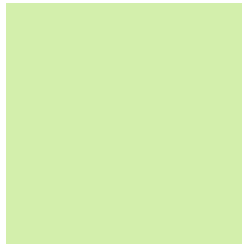
11.6492, 5.0108, 45.4811



1.0799, 0.4740, 3.7888

Previews

White Background



This preview shows how the XYZ color 65.1769, 78.5604, 50.7582 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 65.1769, 78.5604, 50.7582 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

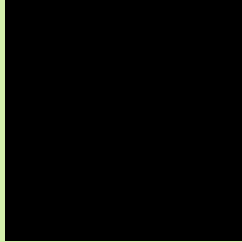
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.1769, 78.5604, 50.7582

Background



This preview shows how black text looks on a background with the XYZ color 65.1769, 78.5604, 50.7582.

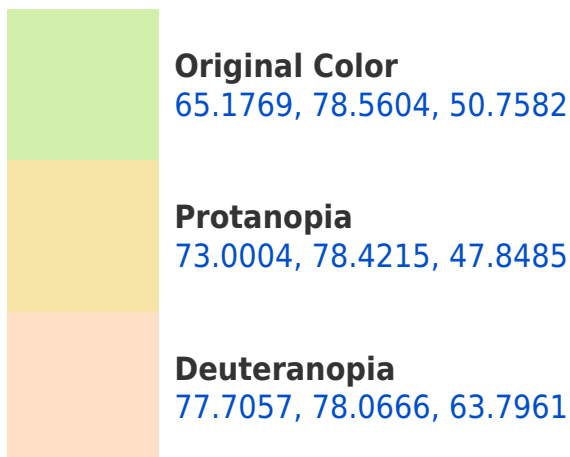


This preview shows how white text looks on a background with the XYZ color 65.1769, 78.5604,

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

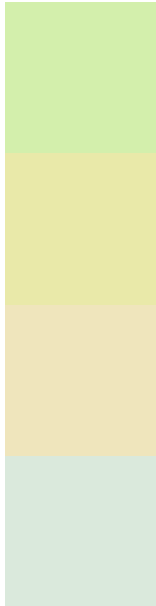




Tritanopia

74.9320, 78.2836, 99.1566

Trichromacy



Original Color

65.1769, 78.5604, 50.7582

Protanomaly

69.9046, 78.4660, 48.9972

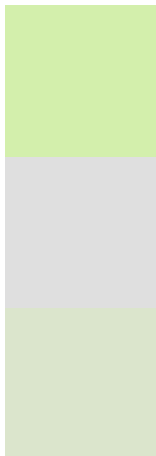
Deuteranomaly

72.6930, 78.0202, 58.8050

Tritanomaly

70.9706, 78.3506, 79.0928

Monochromacy



Original Color

65.1769, 78.5604, 50.7582

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

68.1318, 75.4583, 68.1007

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.1769, 78.5604, 50.7582 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(211, 239, 172)` looks like.

```
.text, #text, p{  
    color:rgb(211, 239, 172)  
}
```

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(211, 239, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 239, 172) }
```

Border

The CSS property to change the border of an element to XYZ 65.1769, 78.5604, 50.7582 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(211, 239, 172) }
```


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

```
.border{ border-color:rgb(211, 239, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 239, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 239, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 239, 172);  
box-shadow:4px 4px 4px 4px rgb(211, 239,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 65.1769, 78.5604, 50.7582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 239, 172) }
```

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

```
.background{ background-color: rgb(211,  
239, 172) }
```

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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