

Converting Colors

XYZ(65.0509, 78.1071, 50.5067)

Have a look what the booklet for
XYZ(65.0509, 78.1071, 50.5067)
contains.

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Color

**XYZ(65.1723, 78.1247,
50.6744)**

Conversions

Conversions Part 1

Format	Color
Hex	D4EEAC
RGB	212, 238, 172
RGB Percent	83%, 93%, 67%
CMY	0.1686, 0.0666, 0.3255
CMYK	0.11, 0.00, 0.28, 0.07
HSL	84°, 66%, 80%
HSV	84°, 28%, 93%
XYZ	65.1723, 78.1247, 50.6744
YIQ	222.7020, 5.6900, -26.0380

Conversions

Conversions Part 2

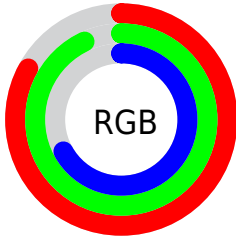
Format	Color
RYB	172, 238, 198
Decimal	13954732
CIELab	90.84, -19.60, 29.21
CIELCh	91, 35.176, 123.859
Yxy	78.1247, 0.3360, 0.4028
Android (android.graphics.Color)	4292144812 (0xFFD4EEAC)
YUV	222.7020, -24.9961, -9.3857
Hunter-Lab	88.3882, -23.0638, 27.8798

Details

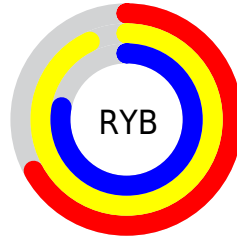
The XYZ color **65.1723, 78.1247, 50.6744** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **53.4771, 47.6861, 87.2791**, and the grayscale version is **70.0984, 73.7490, 80.3127**.

A 20% lighter version of the original color is **91.0036, 98.3814, 87.5919**, and **33.9623, 41.9559, 23.7611** is the 20% darker color. If you saturate the color by 10%, you get **60.4635, 75.9405, 39.5720**, and if you desaturate by 10%, it is **70.4515, 80.5604, 63.9435**.

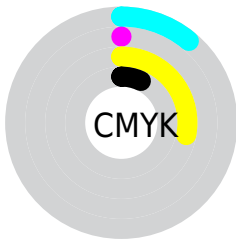
Distribution



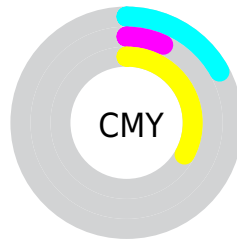
- Red (83%)
- Green (93%)
- Blue (67%)



- Red (67%)
- Yellow (93%)
- Blue (78%)



- Cyan (11%)
- Magenta (0%)
- Yellow (28%)
- Black (7%)



- Cyan (17%)
- Magenta (7%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.1723, 78.1247, 50.6744 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 65.1723, 78.1247, 50.6744 by changing the saturation by 10% instead.

■ 65.1723, 78.1247,
50.6744

■ 65.1723, 78.1247,
50.6744

432.9463,
488.5902, 406.1078

■ 47.8660, 58.1764,
35.5746

■ 111.3619,
130.7259, 92.5799

■ 33.9316, 41.9505,
23.8188

140.9759,
164.1476, 120.2226

■ 23.0037, 29.0625,
14.9883

175.4232,
202.8292, 152.8835

■ 14.7170, 19.1281,
8.6646

215.0691,
247.1552, 190.9810

■ 8.7060, 11.7629,
4.4293

260.2790,
297.5099, 234.9336

■ 4.6055, 6.5824,
1.8637


311.4183,


■ 2.0501, 3.2024,


354.2777, 285.1599


0.4695


368.8523,
417.8430, 342.0785

 0.6618, 1.2383,
0.0000


 0.0000, 0.0926,
0.0000


 65.1723, 78.1247,
50.6744


 65.1723, 78.1247,
50.6744


 60.4635, 75.9405,
39.5720


 70.4515, 80.5604,
63.9435


 56.2947, 73.9875,
30.5161

 76.3180, 83.2469,
79.4810

 52.6413, 72.2582,
23.3823

 82.7952, 86.1963,
97.3880

 49.4738, 70.7405,
18.0310

 87.8751, 88.6059,
107.0789

■ 46.7595, 69.4209,
14.3032

■ 89.8662, 89.6324,
107.1721

■ 44.4597, 68.2837,
12.0121

■ 42.5237, 67.3081,
10.9056

■ 42.1183, 67.1026,
10.7322

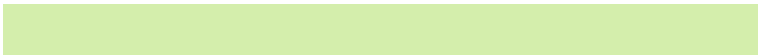
Harmonies

Analogous

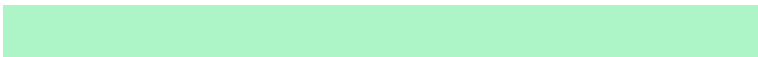
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.1158, 78.1247, 45.1178



65.1723, 78.1247, 50.6744



60.0031, 78.1247, 65.3496

Triad

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



65.1723, 78.1247, 50.6744



67.0077, 78.1247, 136.7413



92.5595, 78.1247, 81.8265

Complementary

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



65.1723, 78.1247, 50.6744



53.4771, 47.6861, 87.2791

Split Complementary

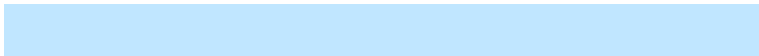
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.6023, 78.1247, 108.3923



65.1723, 78.1247, 50.6744



75.4064, 78.1247, 143.5395

Square

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



65.1723, 78.1247, 50.6744



61.0022, 78.1247, 115.2077



84.1450, 78.1247, 132.2895



89.3008, 78.1247, 60.6991

Rectangle

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



65.1723, 78.1247, 50.6744



58.5890, 78.1247, 79.9573



84.1450, 78.1247, 132.2895



92.4912, 78.1247, 90.3847

Sweetspot

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



65.1743, 78.1281, 50.6761



89.0422, 97.2624, 92.3751



62.7437, 61.2273, 47.5420



18.8279, 20.7127, 19.1499



0.0000, 0.0000, 0.0000



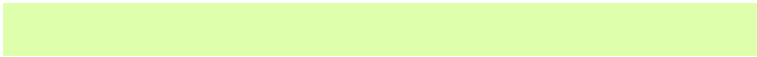
20.3446, 21.4041, 23.3091

Same Dimension

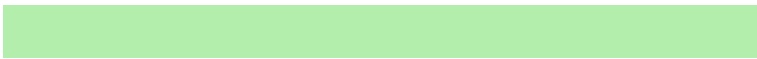
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.1743, 78.1281, 50.6761



73.1732, 89.9597, 51.9605



56.7760, 73.7987, 50.2830



16.4851, 18.1302, 16.7803



23.6461, 37.5116, 5.9942



2.0786, 3.1781, 0.5039

Inverse Universe

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



53.4771, 47.6861, 87.2791



57.4878, 49.1272, 101.0603



62.9176, 52.5529, 87.7209



15.4864, 15.5325, 19.9035



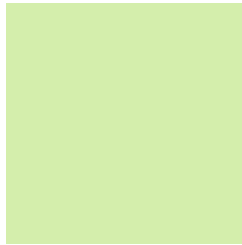
11.3076, 4.8347, 45.4651



1.0494, 0.4583, 3.7874

Previews

White Background



This preview shows how the XYZ color 65.1723, 78.1247, 50.6744 looks on a white background.

Color Contrast Check

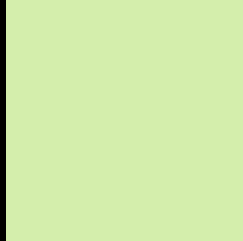
Large Text (above 18pt) WCAG AA × Fail

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 65.1723, 78.1247, 50.6744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

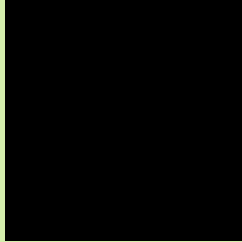
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

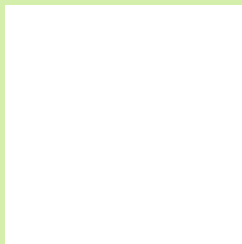
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.1723, 78.1247, 50.6744

Background



This preview shows how black text looks on a background with the XYZ color 65.1723, 78.1247, 50.6744.



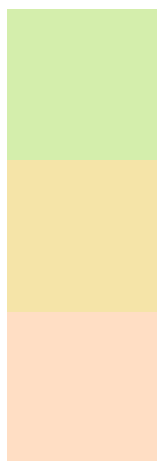
This preview shows how white text looks on a background with the XYZ color 65.1723, 78.1247,

50.6744.

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

65.1723, 78.1247, 50.6744

Protanopia

72.4675, 77.7264, 48.2290

Deuteranopia

77.3251, 77.4881, 63.1058



Tritanopia

74.8094, 77.8286, 98.2683

Trichromacy



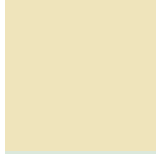
Original Color

65.1723, 78.1247, 50.6744



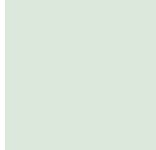
Protanomaly

69.6223, 77.9014, 48.9031



Deuteranomaly

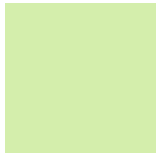
72.3096, 77.4254, 58.1472



Tritanomaly

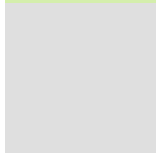
70.8562, 77.8878, 78.3172

Monochromacy



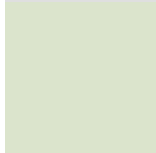
Original Color

65.1723, 78.1247, 50.6744



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

67.8559, 74.9065, 68.0088

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.1723, 78.1247, 50.6744 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(212, 238, 172)` looks like.

```
.text, #text, p{  
    color:rgb(212, 238, 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(212, 238, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 238, 172) }
```

Border

The CSS property to change the border of an element to XYZ 65.1723, 78.1247, 50.6744 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(212, 238, 172) }
```


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

```
.border{ border-color:rgb(212, 238, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 238, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 238, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 238, 172);  
box-shadow:4px 4px 4px 4px rgb(212, 238,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 65.1723, 78.1247, 50.6744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 238, 172) }
```

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

```
.background{ background-color: rgb(212,  
238, 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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