

Converting Colors

XYZ(66.3398, 78.7266, 50.7290)

Have a look what the booklet for
XYZ(66.3398, 78.7266, 50.7290)
contains.

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Color

**XYZ(66.3398, 78.7266,
50.7290)**

Conversions

Conversions Part 1

Format	Color
Hex	D8EEAC
RGB	216, 238, 172
RGB Percent	85%, 93%, 67%
CMY	0.1529, 0.0666, 0.3255
CMYK	0.09, 0.00, 0.28, 0.07
HSL	80°, 66%, 80%
HSV	80°, 28%, 93%
XYZ	66.3398, 78.7266, 50.7290
YIQ	223.8980, 8.0740, -25.1900

Conversions

Conversions Part 2

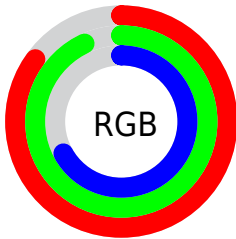
Format	Color
RYB	172, 238, 194
Decimal	14216876
CIELab	91.11, -18.16, 29.63
CIELCh	91, 34.750, 121.508
Yxy	78.7266, 0.3388, 0.4021
Android (android.graphics.Color)	4292406956 (0xFFD8EEAC)
YUV	223.8980, -25.5857, -6.9265
Hunter-Lab	88.7280, -21.8139, 28.2114

Details

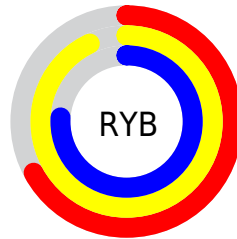
The XYZ color **66.3398, 78.7266, 50.7290** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **52.4365, 47.1496, 87.2305**, and the grayscale version is **70.9534, 74.6485, 81.2922**.

A 20% lighter version of the original color is **91.0036, 98.3814, 87.5919**, and **34.7557, 42.3649, 23.7982** is the 20% darker color. If you saturate the color by 10%, you get **61.9683, 76.7163, 39.6424**, and if you desaturate by 10%, it is **71.2380, 80.9660, 63.9803**.

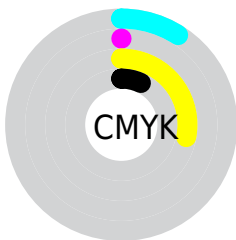
Distribution



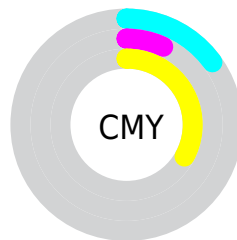
- Red (85%)
- Green (93%)
- Blue (67%)



- Red (67%)
- Yellow (93%)
- Blue (76%)



- Cyan (9%)
- Magenta (0%)
- Yellow (28%)
- Black (7%)





- Cyan (15%)
- Magenta (7%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.3398, 78.7266, 50.7290 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 66.3398, 78.7266, 50.7290 by changing the saturation by 10% instead.


 66.3398, 78.7266,
50.7290

 66.3398, 78.7266,
50.7290


437.0606,
490.6310, 406.3264

 48.8170, 58.6710,
35.6178


 113.0289,
131.5739, 92.6615

 34.6883, 42.3484,
23.8518


142.9260,
165.1344, 120.3198

 23.5882, 29.3742,
15.0125


177.6785,
203.9654, 152.9975

 15.1515, 19.3641,
8.6815

217.6519,
248.4513, 191.1132

 9.0128, 11.9336,
4.4400

263.2114,
298.9763, 235.0854

 4.8067, 6.6985,
1.8697

314.7225,

 2.1679, 3.2743,

355.9250, 285.3326

0.4734

372.5504,
419.6818, 342.2735

0.7257, 1.2765,
0.0000

0.0000, 0.1229,
0.0000

66.3398, 78.7266,
50.7290

66.3398, 78.7266,
50.7290

61.9683, 76.7163,
39.6424

71.2380, 80.9660,
63.9803

58.0939, 74.9151,
30.6002

76.6787, 83.4329,
79.4978

54.6933, 73.3162,
23.4783

82.6842, 86.1392,
97.3828

51.7382, 71.9079,
18.1369

87.2457, 88.2815,
107.0494

■ 49.1969, 70.6775,
14.4173

■ 89.8662, 89.6324,
107.1721

■ 47.0320, 69.6098,
12.1325

■ 45.1941, 68.6848,
11.0305

■ 44.8060, 68.4881,
10.8580

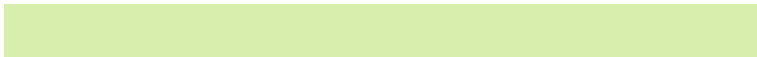
Harmonies

Analogous

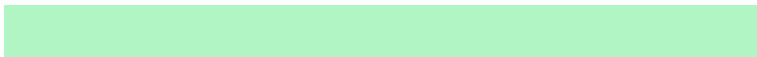
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.3835, 78.7266, 45.8756



66.3398, 78.7266, 50.7290



60.9381, 78.7266, 64.6463

Triad

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



66.3398, 78.7266, 50.7290



67.0531, 78.7266, 135.6698



93.0204, 78.7266, 84.4528

Complementary

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



66.3398, 78.7266, 50.7290



52.4365, 47.1496, 87.2305

Split Complementary

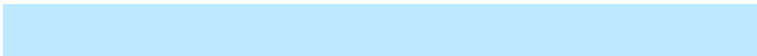
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.6811, 78.7266, 110.9376



66.3398, 78.7266, 50.7290



75.2728, 78.7266, 143.7625

Square

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



66.3398, 78.7266, 50.7290



61.3267, 78.7266, 113.5776



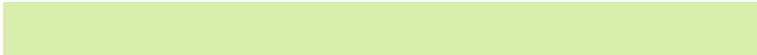
84.0094, 78.7266, 133.9478



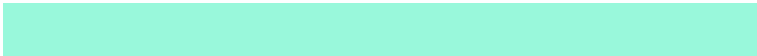
90.1767, 78.7266, 62.8361

Rectangle

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



66.3398, 78.7266, 50.7290



59.3294, 78.7266, 78.7708



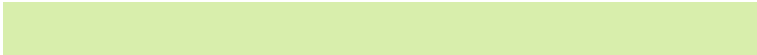
84.0094, 78.7266, 133.9478



92.8132, 78.7266, 93.0661

Sweetspot

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



66.3418, 78.7301, 50.7307



89.4795, 97.4879, 92.3956



62.0010, 59.7419, 47.2944



18.9383, 20.7696, 19.1551



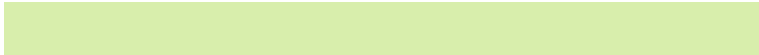
0.0000, 0.0000, 0.0000



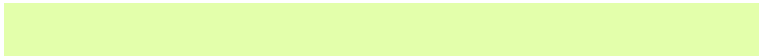
20.3446, 21.4041, 23.3091

Same Dimension

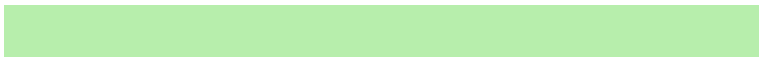
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.3418, 78.7301, 50.7307



74.7574, 90.7764, 52.0346



57.5519, 74.1987, 50.3193



16.5811, 18.1797, 16.7848



25.1386, 38.2810, 6.0640



2.1963, 3.2387, 0.5094

Inverse Universe

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



52.4365, 47.1496, 87.2305



56.1127, 48.4184, 100.9960



61.8666, 52.0110, 87.6718



15.3938, 15.4847, 19.8991



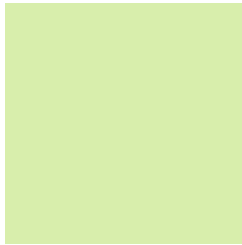
10.5474, 4.4428, 45.4295



0.9791, 0.4220, 3.7841

Previews

White Background



This preview shows how the XYZ color 66.3398, 78.7266, 50.7290 looks on a white background.

Color Contrast Check

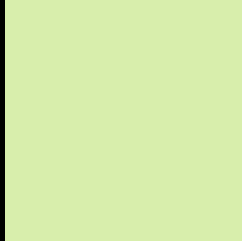
Large Text (above 18pt) WCAG AA × Fail

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 66.3398, 78.7266, 50.7290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

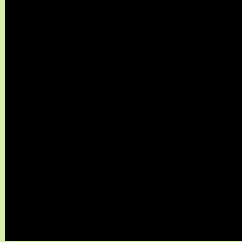
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

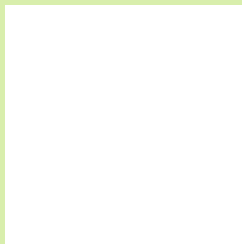
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.3398, 78.7266, 50.7290

Background



This preview shows how black text looks on a background with the XYZ color 66.3398, 78.7266, 50.7290.

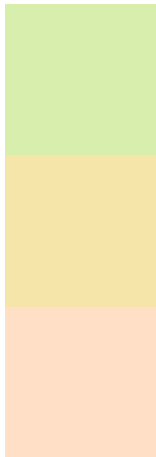


This preview shows how white text looks on a background with the XYZ color 66.3398, 78.7266,

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

66.3398, 78.7266, 50.7290

Protanopia

73.0932, 78.4586, 48.3374

Deuteranopia

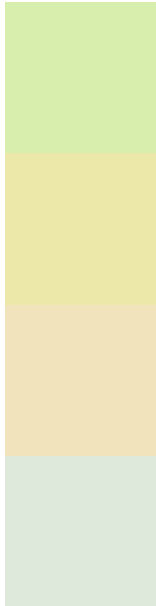
77.8207, 78.1126, 64.4017



Tritanopia

75.7420, 78.3094, 98.3120

Trichromacy



Original Color

66.3398, 78.7266, 50.7290

Protanomaly

70.2790, 78.2400, 48.9338

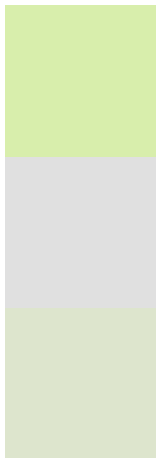
Deuteranomaly

73.2043, 77.8617, 59.3146

Tritanomaly

71.7670, 78.3573, 78.3598

Monochromacy



Original Color

66.3398, 78.7266, 50.7290

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

68.8575, 75.8186, 68.7629

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.3398, 78.7266, 50.7290 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(216, 238, 172)` looks like.

```
.text, #text, p{  
    color:rgb(216, 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(216, 238, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 238, 172) }
```

Border

The CSS property to change the border of an element to XYZ 66.3398, 78.7266, 50.7290 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(216, 238, 172) }
```


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

```
.border{ border-color:rgb(216, 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(216, 238, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 238, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 238, 172);  
box-shadow:4px 4px 4px 4px rgb(216, 238,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 66.3398, 78.7266, 50.7290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 238, 172) }
```

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

```
.background{ background-color: rgb(216,  
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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