

Converting Colors

XYZ(66.7769, 78.9798, 50.1139)

Have a look what the booklet for
XYZ(66.7769, 78.9798, 50.1139)
contains.

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Color

**XYZ(66.8387, 78.9948,
50.2528)**

Conversions

Conversions Part 1

Format	Color
Hex	DAEEAB
RGB	218, 238, 171
RGB Percent	85%, 93%, 67%
CMY	0.1451, 0.0666, 0.3294
CMYK	0.08, 0.00, 0.28, 0.07
HSL	78°, 66%, 80%
HSV	78°, 28%, 93%
XYZ	66.8387, 78.9948, 50.2528
YIQ	224.3820, 9.5870, -25.0770

Conversions

Conversions Part 2

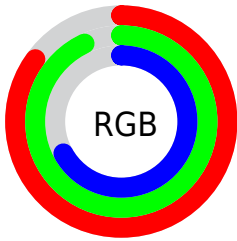
Format	Color
RYB	171, 238, 191
Decimal	14347947
CIELab	91.23, -17.58, 30.32
CIELCh	91, 35.048, 120.097
Yxy	78.9948, 0.3409, 0.4029
Android (android.graphics.Color)	4292538027 (0xFFDAEEAB)
YUV	224.3820, -26.3173, -5.5970
Hunter-Lab	88.8790, -21.3029, 28.6923

Details

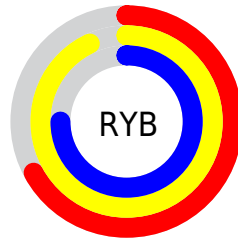
The XYZ color **66.8387, 78.9948, 50.2528** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **51.4845, 46.3773, 87.1315**, and the grayscale version is **71.3043, 75.0177, 81.6942**.

A 20% lighter version of the original color is **90.8651, 98.3261, 86.8628**, and **34.8983, 42.4453, 23.4930** is the 20% darker color. If you saturate the color by 10%, you get **62.6923, 77.0986, 39.2641**, and if you desaturate by 10%, it is **71.4889, 81.1083, 63.4005**.

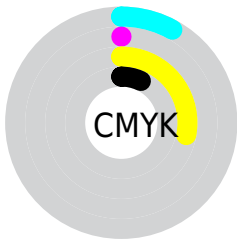
Distribution



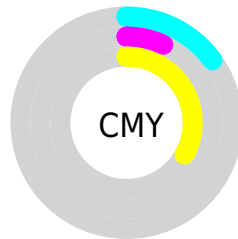
- Red (85%)
- Green (93%)
- Blue (67%)



- Red (67%)
- Yellow (93%)
- Blue (75%)



- Cyan (8%)
- Magenta (0%)
- Yellow (28%)
- Black (7%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.8387, 78.9948, 50.2528 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 66.8387, 78.9948, 50.2528 by changing the saturation by 10% instead.

66.8387, 78.9948,
50.2528

66.8387, 78.9948,
50.2528

438.8119,
491.5388, 404.4171

49.2238, 58.8915,
35.2417

113.7403,
131.9515, 91.9495

35.0123, 42.5258,
23.5641

143.7577,
165.5738, 119.4722

23.8389, 29.5132,
14.8014

178.6400,
204.4712, 152.0025

15.3382, 19.4694,
8.5350

218.7525,
249.0281, 189.9589

9.1450, 12.0100,
4.3465

264.4606,
299.6289, 233.7601

4.8937, 6.7505,
1.8173

316.1296,

2.2192, 3.3065,

356.6580, 283.8244

0.4393

374.1249,
420.4998, 340.5706

0.7528, 1.2938,
0.0000

0.0000, 0.1364,
0.0000

66.8387, 78.9948,
50.2528

66.8387, 78.9948,
50.2528

62.6923, 77.0986,
39.2641

71.4889, 81.1083,
63.4005

59.0204, 75.4000,
30.3138

76.6580, 83.4374,
78.8091

55.8000, 73.8923,
23.2771

82.3683, 85.9938,
96.5800

53.0033, 72.5641,
18.0138

86.7815, 88.0422,
107.0277

■ 50.5987, 71.4028,
14.3640

■ 89.3278, 89.3549,
107.1469

■ 48.5492, 70.3933,
12.1396

■ 89.8662, 89.6324,
107.1721

■ 46.8037, 69.5152,
11.0773

■ 46.5009, 69.3619,
10.9373

Harmonies

Analogous

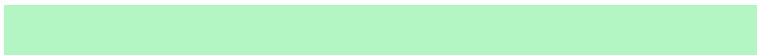
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.0532, 78.9948, 45.7832



66.8387, 78.9948, 50.2528



61.2280, 78.9948, 63.8580

Triad

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



66.8387, 78.9948, 50.2528



66.8851, 78.9948, 135.7656



93.4900, 78.9948, 85.9290

Complementary

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



66.8387, 78.9948, 50.2528



51.4845, 46.3773, 87.1315

Split Complementary

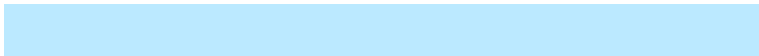
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.8829, 78.9948, 112.7751



66.8387, 78.9948, 50.2528



75.1112, 78.9948, 144.7864

Square

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



66.8387, 78.9948, 50.2528



61.2533, 78.9948, 112.9473



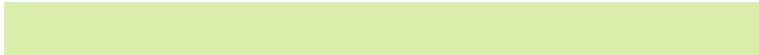
83.9771, 78.9948, 135.6531



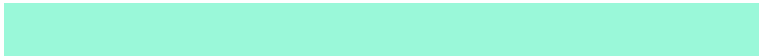
90.8500, 78.9948, 63.7402

Rectangle

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



66.8387, 78.9948, 50.2528



59.4823, 78.9948, 77.8708



83.9771, 78.9948, 135.6531



93.1958, 78.9948, 94.7016

Sweetspot

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



66.8407, 78.9983, 50.2545



89.7322, 97.6181, 92.4074



61.0233, 57.9396, 46.4964



19.0022, 20.8025, 19.1581



0.0000, 0.0000, 0.0000



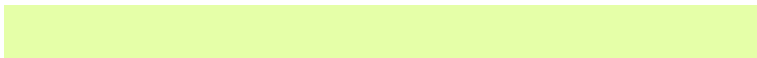
20.3446, 21.4041, 23.3091

Same Dimension

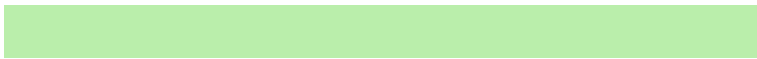
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.8407, 78.9983, 50.2545



75.2054, 91.0351, 50.8003



58.0603, 74.4718, 49.8436



16.6367, 18.2084, 16.7874



26.0778, 38.7652, 6.1080



2.2691, 3.2763, 0.5128

Inverse Universe

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



51.4845, 46.3773, 87.1315



54.4039, 46.8301, 100.7795



60.5789, 51.0657, 87.5571



15.3409, 15.4574, 19.8966



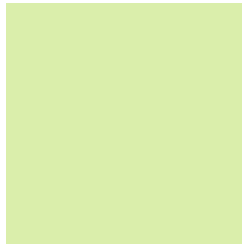
10.1754, 4.2510, 45.4121



0.9430, 0.4034, 3.7824

Previews

White Background



This preview shows how the XYZ color 66.8387, 78.9948, 50.2528 looks on a white background.

Color Contrast Check

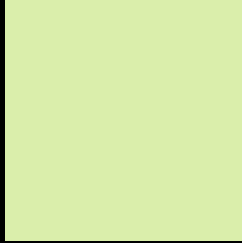
Large Text (above 18pt) WCAG AA × Fail

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 66.8387, 78.9948, 50.2528 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 66.8387, 78.9948, 50.2528

Background



This preview shows how black text looks on a background with the XYZ color 66.8387, 78.9948, 50.2528.

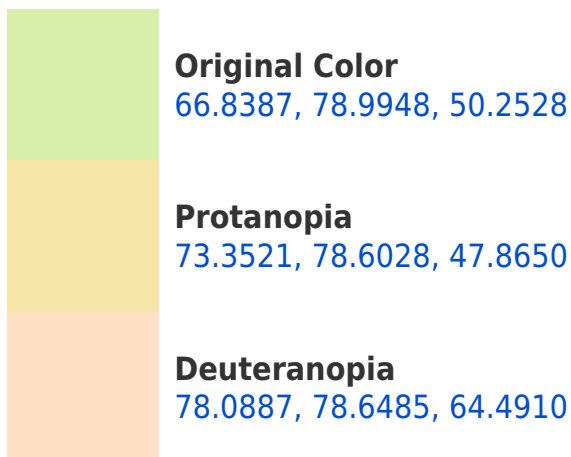


This preview shows how white text looks on a background with the XYZ color 66.8387, 78.9948,

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

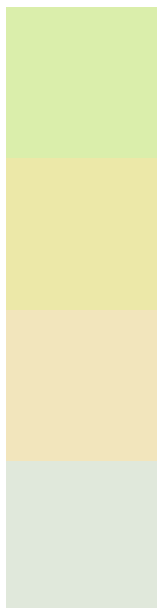




Tritanopia

76.3729, 78.6346, 98.3415

Trichromacy



Original Color

66.8387, 78.9948, 50.2528

Protanomaly

70.5166, 78.3732, 48.4567

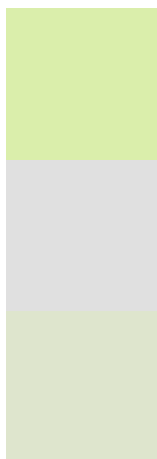
Deuteranomaly

73.7144, 78.5467, 58.8528

Tritanomaly

72.3833, 78.6750, 78.3886

Monochromacy



Original Color

66.8387, 78.9948, 50.2528

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

69.1630, 75.9760, 68.7772

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.8387, 78.9948, 50.2528 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(218, 238, 171)` looks like.

```
.text, #text, p{  
    color:rgb(218, 238, 171)  
}
```

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(218, 238, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 238, 171) }
```

Border

The CSS property to change the border of an element to XYZ 66.8387, 78.9948, 50.2528 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(218, 238, 171) }
```


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

```
.border{ border-color:rgb(218, 238, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 238, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 238, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 238, 171);  
box-shadow:4px 4px 4px 4px rgb(218, 238,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 66.8387, 78.9948, 50.2528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 238, 171) }
```

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

```
.background{ background-color: rgb(218,  
238, 171) }
```

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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