

Converting Colors

XYZ(52.6785, 66.6801, 48.6222)

Have a look what the booklet for
XYZ(52.6785, 66.6801, 48.6222)
contains.

XYZ(52.6785, 66.6801, 48.6222)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(52.6785, 66.6801,
48.6222)**

Conversions

Conversions Part 1

Format	Color
Hex	B1E2AB
RGB	177, 226, 171
RGB Percent	69%, 89%, 67%
CMY	0.3059, 0.1137, 0.3294
CMYK	0.22, 0.00, 0.24, 0.11
HSL	113°, 49%, 78%
HSV	113°, 24%, 89%
XYZ	52.6785, 66.6801, 48.6222
YIQ	205.0790, -11.5490, -27.4930

Conversions

Conversions Part 2

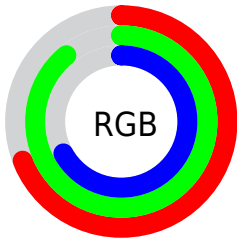
Format	Color
RYB	171, 226, 220
Decimal	11657899
CIELab	85.34, -26.11, 21.86
CIElCh	85, 34.051, 140.065
Yxy	66.6801, 0.3136, 0.3970
Android (android.graphics.Color)	4289847979 (0xFFB1E2AB)
YUV	205.0790, -16.8009, -24.6253
Hunter-Lab	81.6579, -27.7488, 21.8570

Details

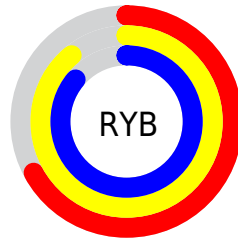
The XYZ color **52.6785, 66.6801, 48.6222** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **57.8084, 49.8344, 78.5272**, and the grayscale version is **58.1889, 61.2192, 66.6677**.

A 20% lighter version of the original color is **83.2294, 94.3897, 86.5054**, and **25.8729, 34.2923, 22.7082** is the 20% darker color. If you saturate the color by 10%, you get **46.4532, 63.7008, 38.0311**, and if you desaturate by 10%, it is **59.9524, 70.1613, 61.1879**.

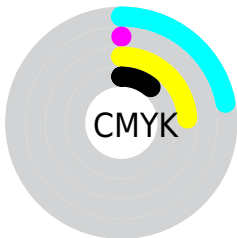
Distribution



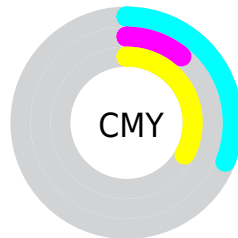
- Red (69%)
- Green (89%)
- Blue (67%)



- Red (67%)
- Yellow (89%)
- Blue (86%)



- Cyan (22%)
- Magenta (0%)
- Yellow (24%)
- Black (11%)





- Cyan (31%)
- Magenta (11%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.6785, 66.6801, 48.6222 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 52.6785, 66.6801, 48.6222 by changing the saturation by 10% instead.


 52.6785, 66.6801,
48.6222

 52.6785, 66.6801,
48.6222


387.3315,
448.8052, 397.8327

 37.7726, 48.8247,
33.9564


 93.2994, 114.4619,
89.5052

 25.9827, 34.4804,
22.5830


119.7452,
145.1571, 116.5596

 16.9433, 23.2629,
14.0835


150.7683,
180.9010, 148.5805

 10.2891, 14.7878,
8.0394

186.7341,
222.0781, 185.9865

 5.6548, 8.6706,
4.0320

228.0080,
269.0726, 229.1962

 2.6750, 4.5269,
1.6429


274.9553,


 0.9843, 1.9725,


322.2690, 278.6281


0.3212


327.9413,
382.0518, 334.7008


 0.0000, 0.5914,
0.0000


 0.0000, 0.0000,
0.0000


 52.6785, 66.6801,
48.6222


 52.6785, 66.6801,
48.6222


 46.4532, 63.7008,
38.0311


 59.9524, 70.1613,
61.1879


 41.2231, 61.1922,
29.3100

 68.3148, 74.1572,
75.8167

 36.9377, 59.1325,
22.3517

 77.8100, 78.6905,
92.5970

 33.5402, 57.4952,
17.0361

 86.4877, 82.8754,
106.0459

■ 30.9676, 56.2506,
13.2282

■ 29.1484, 55.3653,
10.7716

■ 27.9984, 54.7999,
9.4758

■ 27.5900, 54.5976,
9.0843

Harmonies

Analogous

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



58.4271, 66.6801, 39.5856



52.6785, 66.6801, 48.6222



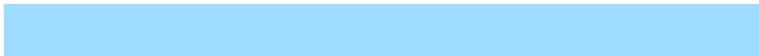
49.8706, 66.6801, 65.5235

Triad

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



52.6785, 66.6801, 48.6222



60.8546, 66.6801, 122.9538



78.3435, 66.6801, 58.9920

Complementary

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



52.6785, 66.6801, 48.6222



57.8084, 49.8344, 78.5272

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.



79.1263, 66.6801, 80.1755



52.6785, 66.6801, 48.6222



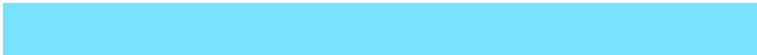
68.5997, 66.6801, 120.2181

Square

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



52.6785, 66.6801, 48.6222



54.3315, 66.6801, 110.2568



75.4350, 66.6801, 103.4016



73.3755, 66.6801, 44.6770

Rectangle

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



52.6785, 66.6801, 48.6222



49.8756, 66.6801, 80.2774



75.4350, 66.6801, 103.4016



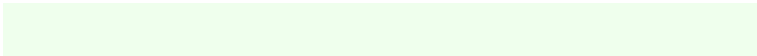
79.1195, 66.6801, 65.4346

Sweetspot

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



52.6803, 66.6829, 48.6237



86.6973, 96.0108, 94.1982



64.2016, 70.0802, 48.6722



18.4100, 20.4801, 19.9050



0.0000, 0.0000, 0.0000



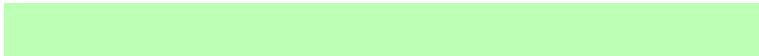
20.3446, 21.4041, 23.3091

Same Dimension

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



52.6803, 66.6829, 48.6237



65.1205, 85.6918, 56.8509



53.5167, 66.8631, 60.0047



13.6669, 15.4084, 14.5606



15.7878, 31.1714, 5.1846



1.1416, 2.1850, 0.3616

Inverse Universe

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



57.8084, 49.8344, 78.5272



72.9187, 60.0504, 102.3554



56.9387, 49.7001, 64.2994



14.1401, 13.8558, 17.3169



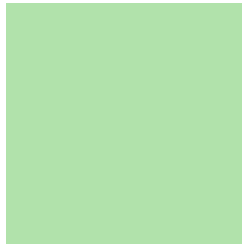
21.6893, 10.2766, 41.8888



1.5461, 0.7343, 2.9055

Previews

White Background



This preview shows how the XYZ color 52.6785, 66.6801, 48.6222 looks on a white background.

Color Contrast Check

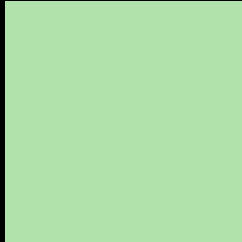
Large Text (above 18pt) WCAG AA × Fail

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 52.6785, 66.6801, 48.6222 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 52.6785, 66.6801, 48.6222

Background



This preview shows how black text looks on a background with the XYZ color 52.6785, 66.6801, 48.6222.



This preview shows how white text looks on a background with the XYZ color 52.6785, 66.6801,

48.6222.

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

52.6785, 66.6801, 48.6222

Protanopia

62.0136, 66.1345, 45.0941

Deuteranopia

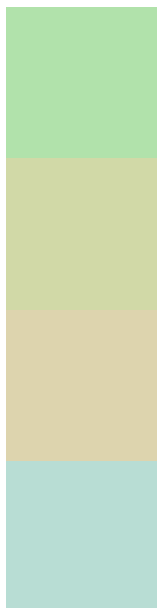
67.4354, 65.9132, 50.2426



Tritanopia

60.8058, 66.8323, 88.2924

Trichromacy



Original Color

52.6785, 66.6801, 48.6222

Protanomaly

58.0824, 65.9710, 46.2316

Deuteranomaly

61.0023, 65.5151, 49.4749

Tritanomaly

57.5073, 66.6567, 72.1224

Monochromacy



Original Color

52.6785, 66.6801, 48.6222

Achromatopsia

58.0276, 61.0496, 66.4830

Achromatomaly

55.9256, 63.0409, 59.6726

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.6785, 66.6801, 48.6222 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(177, 226, 171)` looks like.

```
.text, #text, p{  
    color:rgb(177, 226, 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(177, 226, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 226, 171) }
```

Border

The CSS property to change the border of an element to XYZ 52.6785, 66.6801, 48.6222 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(177, 226, 171) }
```


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

```
.border{ border-color:rgb(177, 226, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 226, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 226, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 226, 171);  
box-shadow:4px 4px 4px 4px rgb(177, 226,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 52.6785, 66.6801, 48.6222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 226, 171) }
```

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

```
.background{ background-color: rgb(177,  
226, 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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