

Converting Colors

XYZ(50.3413, 58.3793, 70.4931)

Have a look what the booklet for
XYZ(50.3413, 58.3793, 70.4931)
contains.

XYZ(50.2842, 58.4111, 70.2522)	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(50.2842, 58.4111,
70.2522)**

Conversions

Conversions Part 1

Format	Color
Hex	A6D1D3
RGB	166, 209, 211
RGB Percent	65%, 82%, 83%
CMY	0.3490, 0.1804, 0.1725
CMYK	0.21, 0.01, 0.00, 0.17
HSL	183°, 34%, 74%
HSV	183°, 21%, 83%
XYZ	50.2842, 58.4111, 70.2522
YIQ	196.3710, -26.2700, -8.4940

Conversions

Conversions Part 2

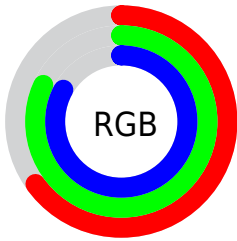
Format	Color
RYB	166, 188, 211
Decimal	10932691
CIELab	80.97, -13.57, -5.64
CIELCh	81, 14.694, 202.558
Yxy	58.4111, 0.2810, 0.3264
Android (android.graphics.Color)	4289122771 (0xFFA6D1D3)
YUV	196.3710, 7.2121, -26.6354
Hunter-Lab	76.4272, -16.3059, -1.0006

Details

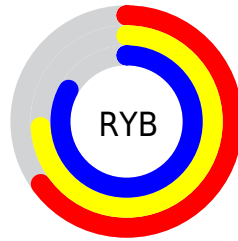
The XYZ color **50.2842, 58.4111, 70.2522** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.7500, 44.6073, 42.1708**, and the grayscale version is **52.6628, 55.4053, 60.3364**.

A 20% lighter version of the original color is **83.9342, 94.2696, 108.3798**, and **24.6172, 29.3877, 36.2732** is the 20% darker color. If you saturate the color by 10%, you get **45.9903, 55.8589, 69.9868**, and if you desaturate by 10%, it is **55.3086, 61.3449, 70.5546**.

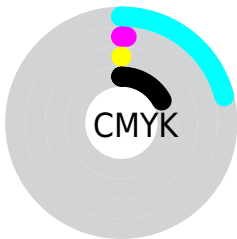
Distribution



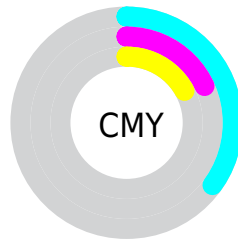
- Red (65%)
- Green (82%)
- Blue (83%)



- Red (65%)
- Yellow (74%)
- Blue (83%)



- Cyan (21%)
- Magenta (1%)
- Yellow (0%)
- Black (17%)





- Cyan (35%)
- Magenta (18%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.2842, 58.4111, 70.2522 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 50.2842, 58.4111, 70.2522 by changing the saturation by 10% instead.


 50.2842, 58.4111,
70.2522


 50.2842, 58.4111,
70.2522


378.2099,
418.7160, 480.2481

 35.8580, 42.1392,
51.2541


 89.7851, 102.5213,
121.2528

 24.4941, 29.2103,
36.0327


 115.5905,
131.1284, 154.0924

 15.8273, 19.2400,
24.1696


145.9197,
164.6160, 192.3829

 9.4921, 11.8438,
15.2461

181.1381,
203.3686, 236.5429

 5.1232, 6.6374,
8.8438

221.6109,
247.7705, 286.9908

 2.3552, 3.2364,
4.5440

267.7036,

 0.8227, 1.2564,

298.2061, 344.1453

1.9283

319.7815,
355.0598, 408.4249

■ 0.0000, 0.1070,
0.5106

■ 0.0000, 0.0000,
0.0000

■ 50.2842, 58.4111,
70.2522

■ 50.2842, 58.4111,
70.2522

■ 45.9903, 55.8589,
69.9868

■ 55.3086, 61.3449,
70.5546

■ 42.3863, 53.6629,
69.7529

■ 61.0912, 64.6700,
70.8916

■ 39.4357, 51.8057,
69.5500

■ 67.6647, 68.4049,
71.2661

■ 37.0964, 50.2657,
69.3760

■ 75.0583, 72.5645,
71.6793

■ 35.3215, 49.0186,
69.2288

■ 76.9653, 73.8978,
71.8361

■ 34.0572, 48.0367,
69.1060

■ 77.2026, 74.3723,
71.9152

■ 33.2393, 47.2869,
69.0043

■ 77.4412, 74.8495,
71.9947

■ 32.7935, 46.7741,
68.9289

■ 77.6811, 75.3294,
72.0747

■ 77.9225, 75.8121,
72.1552

Harmonies

Analogous

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



49.9119, 58.4111, 61.4523



50.2842, 58.4111, 70.2522



52.0337, 58.4111, 77.8650

Triad

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



50.2842, 58.4111, 70.2522



60.2980, 58.4111, 74.3494



56.2799, 58.4111, 48.3785

Complementary

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



50.2842, 58.4111, 70.2522



47.7500, 44.6073, 42.1708

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.



59.1545, 58.4111, 51.1928



50.2842, 58.4111, 70.2522



61.5289, 58.4111, 65.7966

Square

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



50.2842, 58.4111, 70.2522



57.7947, 58.4111, 80.3773



61.1029, 58.4111, 57.3811



53.3019, 58.4111, 49.3362

Rectangle

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



50.2842, 58.4111, 70.2522



53.7813, 58.4111, 80.9772



61.1029, 58.4111, 57.3811



57.2917, 58.4111, 48.9052

Sweetspot

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



50.2859, 58.4135, 70.2535



89.4272, 96.7803, 108.5749



46.0425, 57.5051, 45.4760



19.0158, 20.6429, 23.2322



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.



50.2859, 58.4135, 70.2535



73.7904, 87.6575, 107.6382



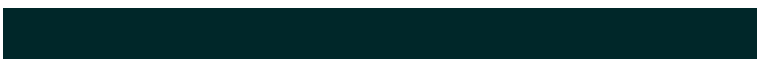
45.2551, 48.3519, 68.5766



12.1115, 13.3134, 15.1750



19.8112, 28.2690, 41.6048



1.1219, 1.6090, 2.3310

Inverse Universe

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



52.0101, 45.7260, 66.4092



76.9529, 64.5582, 100.5484



52.1613, 53.4300, 43.6412



12.2872, 11.9996, 14.7882



22.6305, 10.9250, 34.5560



1.2725, 0.6137, 1.9699

Previews

White Background



This preview shows how the XYZ color 50.2842, 58.4111, 70.2522 looks on a white background.

Color Contrast Check

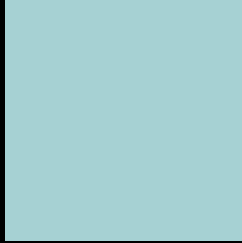
Large Text (above 18pt) WCAG AA × Fail

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 50.2842, 58.4111, 70.2522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

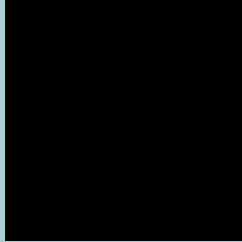
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.2842, 58.4111, 70.2522

Background



This preview shows how black text looks on a background with the XYZ color 50.2842, 58.4111, 70.2522.

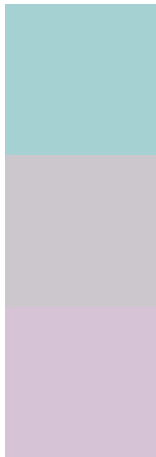


This preview shows how white text looks on a background with the XYZ color 50.2842, 58.4111,

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

50.2842, 58.4111, 70.2522

Protanopia

56.0715, 57.9511, 65.9880

Deuteranopia

59.3843, 58.1814, 71.7186



Tritanopia

52.1296, 58.4425, 79.0540

Trichromacy



Original Color

50.2842, 58.4111, 70.2522

Protanomaly

53.8536, 58.1640, 67.4199

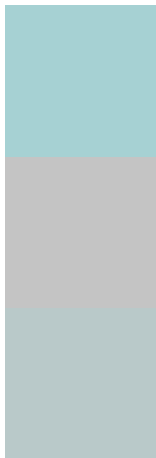
Deuteranomaly

55.6905, 57.9830, 71.2074

Tritanomaly

51.4905, 58.5511, 75.6055

Monochromacy



Original Color

50.2842, 58.4111, 70.2522

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

51.4368, 56.3046, 63.4152

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2842, 58.4111, 70.2522 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(166, 209, 211)` looks like.

```
.text, #text, p{  
    color:rgb(166, 209, 211)  
}
```

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(166, 209, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 209, 211) }
```

Border

The CSS property to change the border of an element to XYZ 50.2842, 58.4111, 70.2522 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(166, 209, 211) }
```


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

```
.border{ border-color:rgb(166, 209, 211) }
```

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

Here you see how a box with a 4 pixel rgb(166, 209, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 209, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 209, 211);  
box-shadow:4px 4px 4px 4px rgb(166, 209,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2842, 58.4111, 70.2522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 209, 211) }
```

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

```
.background{ background-color: rgb(166,  
209, 211) }
```

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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