

Converting Colors

XYZ(50.4815, 57.3346, 71.7577)

Have a look what the booklet for
XYZ(50.4815, 57.3346, 71.7577)
contains.

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Color

**XYZ(50.5711, 57.4327,
72.0386)**

Conversions

Conversions Part 1

Format	Color
Hex	A9CED6
RGB	169, 206, 214
RGB Percent	66%, 81%, 84%
CMY	0.3372, 0.1921, 0.1608
CMYK	0.21, 0.04, 0.00, 0.16
HSL	191°, 35%, 75%
HSV	191°, 21%, 84%
XYZ	50.5711, 57.4327, 72.0386
YIQ	195.8490, -24.6200, -5.3560

Conversions

Conversions Part 2

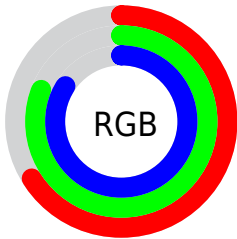
Format	Color
R_{YB}	169, 189, 214
Decimal	11128534
CIE _{Lab}	80.42, -10.46, -8.03
CIE _{LCh}	80, 13.182, 217.519
Yxy	57.4327, 0.2809, 0.3190
Android (android.graphics.Color)	4289318614 (0xFFA9CED6)
YUV	195.8490, 8.9484, -23.5466
Hunter-Lab	75.7844, -13.5091, -3.3104

Details

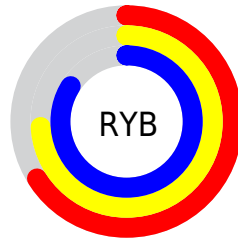
The XYZ color **50.5711, 57.4327, 72.0386** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.6157, 48.6051, 44.2512**, and the grayscale version is **52.3389, 55.0646, 59.9653**.

A 20% lighter version of the original color is **84.8613, 94.7476, 108.4232**, and **24.6887, 28.6727, 37.0340** is the 20% darker color. If you saturate the color by 10%, you get **45.4464, 53.4494, 71.5408**, and if you desaturate by 10%, it is **56.4727, 61.8523, 72.5816**.

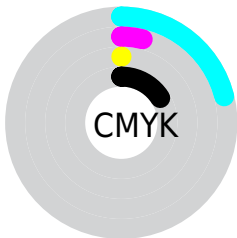
Distribution



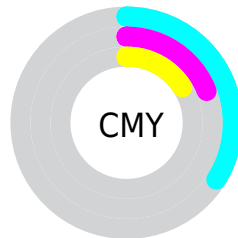
- Red (66%)
- Green (81%)
- Blue (84%)



- Red (66%)
- Yellow (74%)
- Blue (84%)



- Cyan (21%)
- Magenta (4%)
- Yellow (0%)
- Black (16%)



- Cyan (34%)
- Magenta (19%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.5711, 57.4327, 72.0386 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 50.5711, 57.4327, 72.0386 by changing the saturation by 10% instead.

■ 50.5711, 57.4327,
72.0386

■ 50.5711, 57.4327,
72.0386

379.3103,
415.0687, 486.6571

■ 36.0870, 41.3527,
52.7032

■ 90.2072, 101.0963,
123.8196

■ 24.6718, 28.5948,
37.1798

116.0900,
129.4487, 157.1023

■ 15.9602, 18.7745,
25.0498

146.5031,
162.6607, 195.8712

■ 9.5866, 11.5075,
15.8948

181.8118,
201.1167, 240.5448

■ 5.1859, 6.4093,
9.2962

222.3816,
245.2011, 291.5416

■ 2.3926, 3.0955,
4.8354

268.5776,

■ 0.8414, 1.1818,

295.2984, 349.2803

2.0940

320.7654,
351.7927, 414.1792

■ 0.0000, 0.0468,
0.6122

■ 0.0000, 0.0000,
0.0000

■ 50.5711, 57.4327,
72.0386

■ 50.5711, 57.4327,
72.0386

■ 45.4464, 53.4494,
71.5408

■ 56.4727, 61.8523,
72.5816

■ 41.0569, 49.8764,
71.0825

■ 63.1804, 66.7191,
73.1674

■ 37.3646, 46.6952,
70.6630

■ 70.7280, 72.0522,
73.7990

■ 34.3260, 43.8831,
70.2804

■ 79.1456, 77.8675,
74.4778

■ 31.8923, 41.4150,
69.9323

■ 80.3085, 79.9765,
74.8236

■ 30.0081, 39.2617,
69.6160

■ 81.3483, 82.0561,
75.1702

■ 28.6070, 37.3891,
69.3284

■ 82.4111, 84.1818,
75.5245

■ 27.6571, 35.8938,
69.0898

■ 83.4972, 86.3539,
75.8865

■ 84.6065, 88.5726,
76.2563

Harmonies

Analogous

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



49.5988, 57.4327, 64.5013



50.5711, 57.4327, 72.0386



52.6259, 57.4327, 77.3113

Triad

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



50.5711, 57.4327, 72.0386



59.5295, 57.4327, 68.3967



53.9112, 57.4327, 48.9157

Complementary

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



50.5711, 57.4327, 72.0386



50.6157, 48.6051, 44.2512

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.



56.5984, 57.4327, 49.7718



50.5711, 57.4327, 72.0386



59.9011, 57.4327, 60.6080

Square

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



50.5711, 57.4327, 72.0386



57.8129, 57.4327, 75.0906



58.8123, 57.4327, 53.9053



51.4854, 57.4327, 51.4623

Rectangle

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



50.5711, 57.4327, 72.0386



54.3635, 57.4327, 78.6045



58.8123, 57.4327, 53.9053



54.8132, 57.4327, 48.8190

Sweetspot

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



50.5728, 57.4350, 72.0399



88.7821, 95.4902, 108.3599



48.2959, 59.6836, 50.3099



18.8628, 20.3370, 23.1812



0.0000, 0.0000, 0.0000



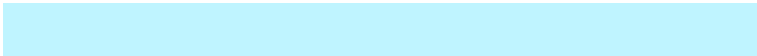
20.3446, 21.4041, 23.3091

Same Dimension

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



50.5728, 57.4350, 72.0399



71.8504, 82.8320, 106.8090



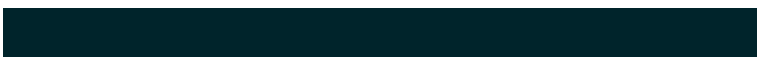
45.6414, 47.5722, 70.3961



12.5957, 13.7149, 15.9209



16.7858, 21.8333, 41.7827



1.0627, 1.4174, 2.5369

Inverse Universe

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



53.0615, 47.1296, 64.6955



76.2045, 65.1424, 93.8831



55.3174, 58.0087, 45.8185



12.8539, 12.5931, 15.1709



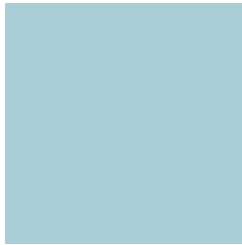
21.5315, 10.5489, 25.9009



1.3241, 0.6464, 1.6958

Previews

White Background



This preview shows how the XYZ color 50.5711, 57.4327, 72.0386 looks on a white background.

Color Contrast Check

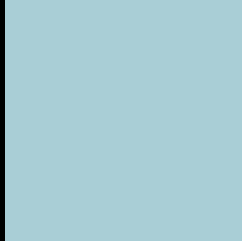
Large Text (above 18pt) WCAG AA × Fail

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 50.5711, 57.4327, 72.0386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

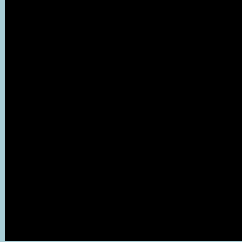
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.5711, 57.4327, 72.0386

Background



This preview shows how black text looks on a background with the XYZ color 50.5711, 57.4327, 72.0386.



This preview shows how white text looks on a background with the XYZ color 50.5711, 57.4327,

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

50.5711, 57.4327, 72.0386

Protanopia

55.5221, 57.2710, 68.4497

Deuteranopia

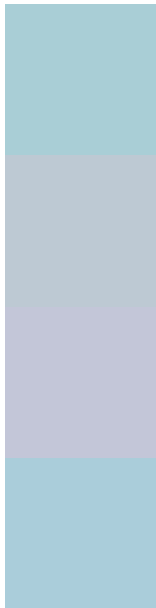
58.3945, 57.2950, 73.6270



Tritanopia

51.4600, 57.4291, 76.7793

Trichromacy



Original Color

50.5711, 57.4327, 72.0386

Protanomaly

53.6308, 57.2953, 69.8605

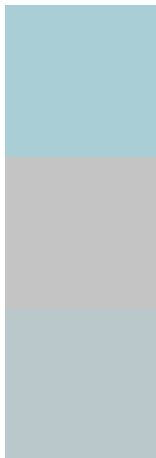
Deuteranomaly

55.0944, 56.9481, 73.0540

Tritanomaly

51.0638, 57.2706, 74.6927

Monochromacy



Original Color

50.5711, 57.4327, 72.0386

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

51.6835, 56.0595, 64.5965

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.5711, 57.4327, 72.0386 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(169, 206, 214)` looks like.

```
.text, #text, p{  
    color:rgb(169, 206, 214)  
}
```

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(169, 206, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 206, 214) }
```

Border

The CSS property to change the border of an element to XYZ 50.5711, 57.4327, 72.0386 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(169, 206, 214) }
```


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

```
.border{ border-color:rgb(169, 206, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 206, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 206, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 206, 214);  
box-shadow:4px 4px 4px 4px rgb(169, 206,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 50.5711, 57.4327, 72.0386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 206, 214) }
```

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

```
.background{ background-color: rgb(169,  
206, 214) }
```

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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