

Converting Colors

XYZ(49.8871, 57.2094, 66.1736)

Have a look what the booklet for
XYZ(49.8871, 57.2094, 66.1736)
contains.

XYZ(49.8853, 57.2083, 66.1707)	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(49.8853, 57.2083,
66.1707)**

Conversions

Conversions Part 1

Format	Color
Hex	ABCECD
RGB	171, 206, 205
RGB Percent	67%, 81%, 80%
CMY	0.3294, 0.1921, 0.1961
CMYK	0.17, 0.00, 0.00, 0.19
HSL	178°, 26%, 74%
HSV	178°, 17%, 81%
XYZ	49.8853, 57.2083, 66.1707
YIQ	195.4210, -20.5390, -7.7310

Conversions

Conversions Part 2

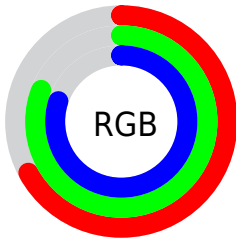
Format	Color
RYB	171, 189, 206
Decimal	11259597
CIELab	80.30, -11.75, -3.38
CIELCh	80, 12.229, 196.038
Yxy	57.2083, 0.2879, 0.3302
Android (android.graphics.Color)	4289449677 (0xFFABCECD)
YUV	195.4210, 4.7224, -21.4172
Hunter-Lab	75.6362, -14.6349, 1.0751

Details

The XYZ color **49.8853, 57.2083, 66.1707** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.4649, 45.2277, 45.2602**, and the grayscale version is **52.1056, 54.8192, 59.6981**.

A 20% lighter version of the original color is **85.4886, 95.0709, 108.4525**, and **24.2854, 28.5424, 33.5074** is the 20% darker color. If you saturate the color by 10%, you get **45.6725, 55.0463, 65.6035**, and if you desaturate by 10%, it is **54.8010, 59.7357, 66.7746**.

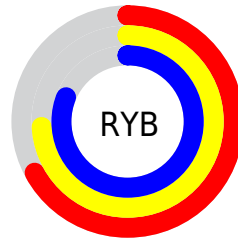
Distribution



Red (67%)

Green (81%)

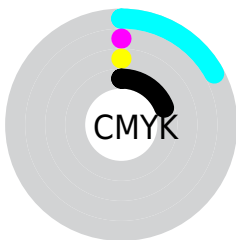
Blue (80%)



Red (67%)

Yellow (74%)

Blue (81%)

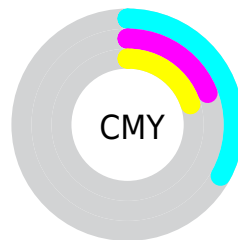


Cyan (17%)

Magenta (0%)

Yellow (0%)

Black (19%)



Cyan (33%)

Magenta (19%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8853, 57.2083, 66.1707 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 49.8853, 57.2083, 66.1707 by changing the saturation by 10% instead.

■ 49.8853, 57.2083,
66.1707

■ 49.8853, 57.2083,
66.1707

376.6766,
414.2294, 465.4080

■ 35.5397, 41.1725,
47.9536

■ 89.1977, 100.7691,
115.3606

■ 24.2474, 28.4539,
33.4304

114.8953,
129.0628, 147.1706

■ 15.6429, 18.6681,
22.1826

145.1075,
162.2113, 184.3486

■ 9.3611, 11.4307,
13.7915

180.1998,
200.5990, 227.3131

■ 5.0364, 6.3573,
7.8387

220.5375,
244.6103, 276.4828

■ 2.3036, 3.0635,
3.9056

266.4860,

■ 0.7965, 1.1650,

294.6295, 332.2762

1.5737

318.4106,
351.0411, 395.1117

■ 0.0000, 0.0328,
0.2720

■ 0.0000, 0.0000,
0.0000

■ 49.8853, 57.2083,
66.1707

■ 49.8853, 57.2083,
66.1707

■ 45.6725, 55.0463,
65.6035

■ 54.8010, 59.7357,
66.7746

■ 42.1254, 53.2258,
65.0677

■ 60.4449, 62.6370,
67.4128

■ 39.2108, 51.7314,
64.5628

■ 66.8470, 65.9291,
68.0879

■ 36.8906, 50.5435,
64.0872

■ 74.0343, 69.6259,
68.8011

■ 35.1229, 49.6403,
63.6388

■ 74.6917, 69.9564,
69.2101

■ 33.8600, 48.9973,
63.2155

■ 74.7644, 69.9855,
69.5932

■ 33.0464, 48.5859,
62.8145

■ 74.8374, 70.0147,
69.9777

■ 32.6080, 48.3679,
62.4326

■ 74.9107, 70.0440,
70.3637

■ 32.5096, 48.3196,
62.3195

■ 74.9843, 70.0735,
70.7510

Harmonies

Analogous

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



49.8428, 57.2083, 59.0277



49.8853, 57.2083, 66.1707



51.1062, 57.2083, 72.7322

Triad

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



49.8853, 57.2083, 66.1707



57.9081, 57.2083, 72.3419



55.5427, 57.2083, 49.8646

Complementary

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



49.8853, 57.2083, 66.1707



47.4649, 45.2277, 45.2602

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.



57.7798, 57.2083, 52.8986



49.8853, 57.2083, 66.1707



59.1735, 57.2083, 65.6705

Square

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



49.8853, 57.2083, 66.1707



55.7134, 57.2083, 76.4772



59.1258, 57.2083, 58.5643



53.0578, 57.2083, 49.9759

Rectangle

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



49.8853, 57.2083, 66.1707



52.4461, 57.2083, 75.7337



59.1258, 57.2083, 58.5643



56.3501, 57.2083, 50.5397

Sweetspot

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



49.8870, 57.2107, 66.1720



90.4551, 97.6380, 108.3783



46.4735, 55.8748, 46.8645



19.2281, 20.8302, 23.1820



0.0000, 0.0000, 0.0000



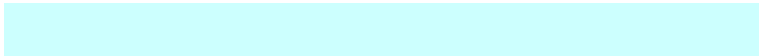
20.3446, 21.4041, 23.3091

Same Dimension

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



49.8870, 57.2107, 66.1720



78.4775, 91.4836, 106.9011



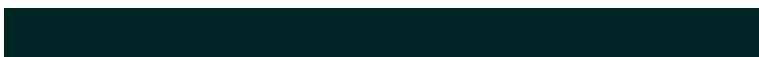
46.2781, 49.7986, 65.5682



11.5289, 12.7213, 14.3423



20.0240, 29.7549, 38.4067



1.0375, 1.5368, 2.0049

Inverse Universe

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



47.4649, 45.2277, 45.2602



73.9081, 68.8758, 67.4489



50.6474, 51.7463, 45.8476



11.2251, 11.2188, 11.7202



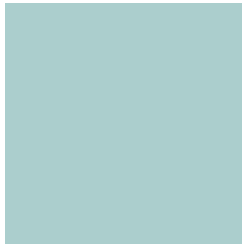
15.6995, 8.0904, 0.8705



0.8146, 0.4192, 0.0695

Previews

White Background



This preview shows how the XYZ color 49.8853, 57.2083, 66.1707 looks on a white background.

Color Contrast Check

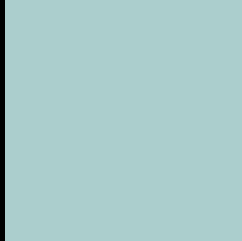
Large Text (above 18pt) WCAG AA × Fail

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 49.8853, 57.2083, 66.1707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

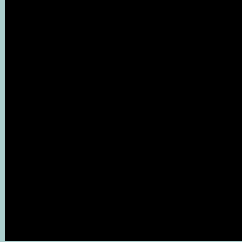
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.8853, 57.2083, 66.1707

Background



This preview shows how black text looks on a background with the XYZ color 49.8853, 57.2083, 66.1707.

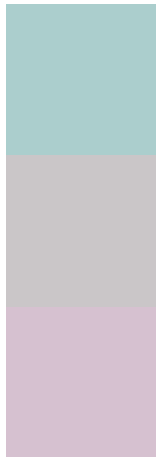


This preview shows how white text looks on a background with the XYZ color 49.8853, 57.2083,

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

49.8853, 57.2083, 66.1707

Protanopia

54.9765, 57.1149, 62.7703

Deuteranopia

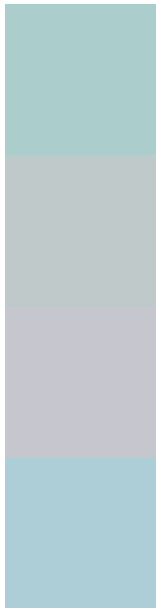
58.1867, 56.9901, 67.6079



Tritanopia

51.9667, 57.3517, 76.0412

Trichromacy



Original Color

49.8853, 57.2083, 66.1707

Protanomaly

53.0332, 57.1139, 64.1061

Deuteranomaly

54.7453, 56.8989, 67.1287

Tritanomaly

51.3306, 57.4532, 72.6741

Monochromacy



Original Color

49.8853, 57.2083, 66.1707

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

50.9819, 55.4095, 62.0409

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8853, 57.2083, 66.1707 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(171, 206, 205)` looks like.

```
.text, #text, p{  
    color:rgb(171, 206, 205)  
}
```

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(171, 206, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 206, 205) }
```

Border

The CSS property to change the border of an element to XYZ 49.8853, 57.2083, 66.1707 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(171, 206, 205) }
```


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

```
.border{ border-color:rgb(171, 206, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 206, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 206, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 206, 205);  
box-shadow:4px 4px 4px 4px rgb(171, 206,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8853, 57.2083, 66.1707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 206, 205) }
```

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

```
.background{ background-color: rgb(171,  
206, 205) }
```

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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