

Converting Colors

XYZ(31.7988, 43.6590, 57.3363)

Have a look what the booklet for
XYZ(31.7988, 43.6590, 57.3363)
contains.

XYZ(31.7562, 43.5680, 57.1878)	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(31.7562, 43.5680,
57.1878)**

Conversions

Conversions Part 1

Format	Color
Hex	4DC1C1
RGB	77, 193, 193
RGB Percent	30%, 76%, 76%
CMY	0.6980, 0.2431, 0.2431
CMYK	0.60, 0.00, 0.00, 0.24
HSL	180°, 48%, 53%
HSV	180°, 60%, 76%
XYZ	31.7562, 43.5680, 57.1878
YIQ	158.3160, -69.1360, -24.5920

Conversions

Conversions Part 2

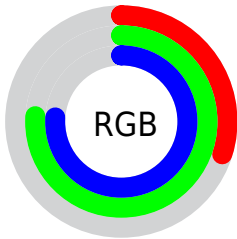
Format	Color
RYB	77, 135, 193
Decimal	5095873
CIELab	71.94, -32.10, -9.75
CIELCh	72, 33.544, 196.892
Yxy	43.5680, 0.2396, 0.3288
Android (android.graphics.Color)	4283285953 (0xFF4DC1C1)
YUV	158.3160, 17.0992, -71.3141
Hunter-Lab	66.0061, -29.6324, -5.1647

Details

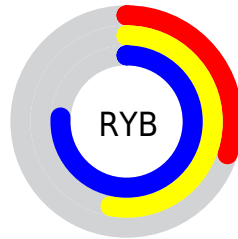
The XYZ color **31.7562, 43.5680, 57.1878** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **25.9873, 17.1824, 8.9695**, and the grayscale version is **32.5915, 34.2888, 37.3405**.

A 20% lighter version of the original color is **61.7657, 80.6140, 101.9272**, and **13.9662, 20.3587, 28.0045** is the 20% darker color. If you saturate the color by 10%, you get **30.4243, 42.8824, 57.1263**, and if you desaturate by 10%, it is **33.5527, 44.4951, 57.2730**.

Distribution



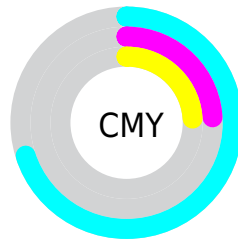
- Red (30%)
- Green (76%)
- Blue (76%)



- Red (30%)
- Yellow (53%)
- Blue (76%)



- Cyan (60%)
- Magenta (0%)
- Yellow (0%)
- Black (24%)



- Cyan (70%)
- Magenta (24%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7562, 43.5680, 57.1878 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 31.7562, 43.5680, 57.1878 by changing the saturation by 10% instead.

■ 31.7562, 43.5680,
57.1878

■ 31.7562, 43.5680,
57.1878

301.7722,
360.9425, 431.6661

■ 21.3300, 30.3310,
40.7457

■ 61.7965, 80.5673,
102.2422

■ 13.4793, 20.0900,
27.8022

■ 82.1412, 105.0984,
131.6916

■ 7.8387, 12.4605,
17.9389

■ 106.5229,
134.1630, 166.3138

■ 4.0428, 7.0581,
10.7371

■ 135.3068,
168.1455, 206.5273

■ 1.7264, 3.4985,
5.7784

168.8584,
207.4303, 252.7508

■ 0.4727, 1.3972,
2.6442

207.5429,

■ 0.0000, 0.2146,

252.4018, 305.4027

0.9152

251.7257,
303.4444, 364.9016

■ 0.0000, 0.0000,
0.0000

■ 31.7562, 43.5680,
57.1878

■ 31.7562, 43.5680,
57.1878

■ 30.4243, 42.8824,
57.1263

■ 33.5527, 44.4951,
57.2730

■ 29.5107, 42.4114,
57.0833

■ 35.8468, 45.6778,
57.3806

■ 28.9670, 42.1311,
57.0577

■ 38.6733, 47.1349,
57.5130

■ 28.6963, 41.9916,
57.0449

■ 42.0625, 48.8821,
57.6718

■ 46.0427, 50.9339,
57.8582

■ 50.6401, 53.3040,
58.0736

■ 55.8793, 56.0049,
58.3189

■ 61.7838, 59.0487,
58.5954

■ 68.3757, 62.4470,
58.9041

Harmonies

Analogous

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



31.5990, 43.5680, 40.6501



31.7562, 43.5680, 57.1878



34.3424, 43.5680, 74.3376

Triad

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



31.7562, 43.5680, 57.1878



49.9661, 43.5680, 72.3715



43.9537, 43.5680, 22.9059

Complementary

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



31.7562, 43.5680, 57.1878



25.9873, 17.1824, 8.9695

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.



49.3865, 43.5680, 27.9644



31.7562, 43.5680, 57.1878



53.0669, 43.5680, 54.9427

Square

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



31.7562, 43.5680, 57.1878



44.6875, 43.5680, 84.3929



52.8455, 43.5680, 38.8648



38.2970, 43.5680, 23.2388

Rectangle

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



31.7562, 43.5680, 57.1878



37.2435, 43.5680, 82.6903



52.8455, 43.5680, 38.8648



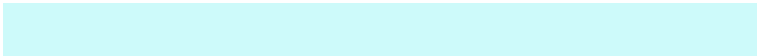
45.8763, 43.5680, 23.9719

Sweetspot

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



31.7575, 43.5697, 57.1888



76.5483, 88.1724, 103.3442



23.6298, 40.3369, 13.5627



16.0048, 18.7007, 22.1512



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



31.7575, 43.5697, 57.1888



53.9175, 76.5058, 102.2833



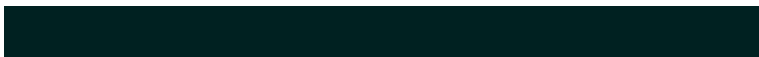
21.6239, 23.3021, 53.8120



10.3686, 11.4285, 12.9442



19.0858, 27.9284, 37.9403



0.8246, 1.2067, 1.6393

Inverse Universe

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



25.9873, 17.1824, 8.9695



42.6816, 25.1242, 8.3901



31.7302, 28.6684, 10.8835



10.0732, 10.0779, 10.4762



14.6275, 7.5408, 0.6846



0.6320, 0.3258, 0.0296

Previews

White Background



This preview shows how the XYZ color 31.7562, 43.5680, 57.1878 looks on a white background.

Color Contrast Check

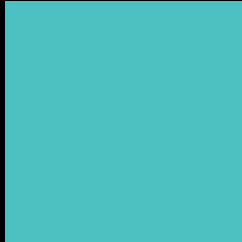
Large Text (above 18pt) WCAG AA × Fail

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 31.7562, 43.5680, 57.1878 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

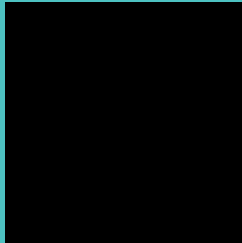
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

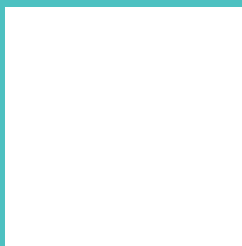
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.7562, 43.5680, 57.1878

Background



This preview shows how black text looks on a background with the XYZ color 31.7562, 43.5680, 57.1878.



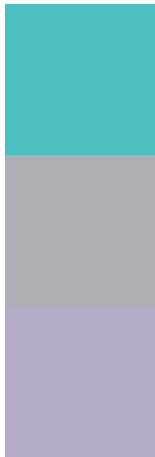
This preview shows how white text looks on a background with the XYZ color 31.7562, 43.5680,

57.1878.

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

31.7562, 43.5680, 57.1878

Protanopia

41.3810, 42.8384, 49.8037

Deuteranopia

43.8120, 43.0268, 59.4219



Tritanopia

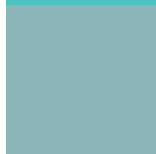
33.3387, 43.5568, 65.0427

Trichromacy



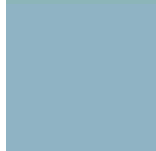
Original Color

31.7562, 43.5680, 57.1878



Protanomaly

36.0960, 42.1260, 52.1276



Deuteranomaly

37.4116, 42.0654, 58.3722



Tritanomaly

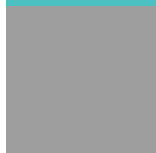
32.7856, 43.6657, 61.9587

Monochromacy



Original Color

31.7562, 43.5680, 57.1878



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

30.9669, 36.7332, 43.9862

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7562, 43.5680, 57.1878 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(77, 193, 193)` looks like.

```
.text, #text, p{  
    color:rgb(77, 193, 193)  
}
```

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(77, 193, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 193, 193) }
```

Border

The CSS property to change the border of an element to XYZ 31.7562, 43.5680, 57.1878 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(77, 193, 193) }
```


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

```
.border{ border-color:rgb(77, 193, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 193, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 193, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 193, 193);  
box-shadow:4px 4px 4px 4px rgb(77, 193,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7562, 43.5680, 57.1878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 193, 193) }
```

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

```
.background{ background-color: rgb(77, 193,  
193) }
```

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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