

Converting Colors

XYZ(33.9073, 46.6732, 58.2607)

Have a look what the booklet for
XYZ(33.9073, 46.6732, 58.2607)
contains.

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Color

**XYZ(33.9073, 46.6732,
58.2607)**

Conversions

Conversions Part 1

Format	Color
Hex	55C7C2
RGB	85, 199, 194
RGB Percent	33%, 78%, 76%
CMY	0.6666, 0.2196, 0.2392
CMYK	0.57, 0.00, 0.03, 0.22
HSL	177°, 50%, 56%
HSV	177°, 57%, 78%
XYZ	33.9073, 46.6732, 58.2607
YIQ	164.3440, -66.3390, -25.7230

Conversions

Conversions Part 2

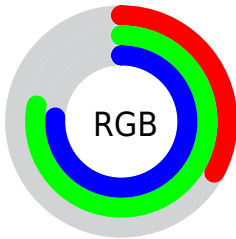
Format	Color
RYP	85, 143, 199
Decimal	5621698
CIELab	73.98, -33.23, -7.23
CIElCh	74, 34.010, 192.274
Yxy	46.6732, 0.2442, 0.3362
Android (android.graphics.Color)	4283811778 (0xFF55C7C2)
YUV	164.3440, 14.6204, -69.5847
Hunter-Lab	68.3178, -30.9635, -2.7394

Details

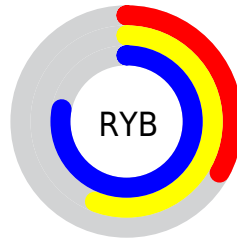
The XYZ color **33.9073, 46.6732, 58.2607** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **28.6487, 19.3786, 11.9048**, and the grayscale version is **35.4068, 37.2508, 40.5661**.

A 20% lighter version of the original color is **64.6924, 84.4419, 103.3317**, and **14.8590, 22.1442, 28.3021** is the 20% darker color. If you saturate the color by 10%, you get **32.2510, 45.8317, 57.6738**, and if you desaturate by 10%, it is **36.0749, 47.7803, 58.8766**.

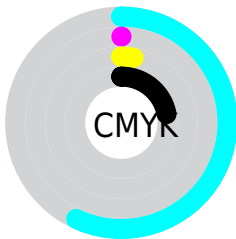
Distribution



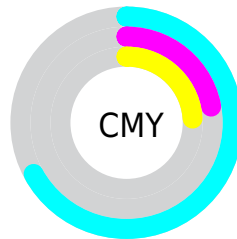
- Red (33%)
- Green (78%)
- Blue (76%)



- Red (33%)
- Yellow (56%)
- Blue (78%)



- Cyan (57%)
- Magenta (0%)
- Yellow (3%)
- Black (22%)



- Cyan (67%)
- Magenta (22%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9073, 46.6732, 58.2607 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 33.9073, 46.6732, 58.2607 by changing the saturation by 10% instead.

33.9073, 46.6732,
58.2607

33.9073, 46.6732,
58.2607

311.3117,
373.5086, 435.7820

22.9849, 32.7774,
41.6022

65.1347, 85.2256,
103.8209

14.7030, 21.9560,
28.4667

86.1705, 110.6510,
133.5597

8.6962, 13.8245,
18.4356

111.3082,
140.6883, 168.4957

4.5991, 7.9987,
11.0905

140.9130,
175.7221, 209.0474

2.0463, 4.0941,
6.0128

175.3505,
216.1366, 255.6333

0.6598, 1.7264,
2.7840

214.9858,

0.0000, 0.4406,

262.3162, 308.6720

0.9854

260.1844,
314.6454, 368.5821

■ 0.0000, 0.0000,
0.0000

■ 33.9073, 46.6732,
58.2607

■ 33.9073, 46.6732,
58.2607

■ 32.2510, 45.8317,
57.6738

■ 36.0749, 47.7803,
58.8766

■ 31.0581, 45.2280,
57.1105

■ 38.7883, 49.1678,
59.5201

■ 30.2787, 44.8374,
56.5695

■ 42.0841, 50.8553,
60.1939

■ 29.8418, 44.6232,
56.0476

■ 45.9941, 52.8594,
60.8994

■ 29.7482, 44.5780,
55.9076

■ 50.5483, 55.1955,
61.6381

■ 55.7744, 57.8780,
62.4112

■ 61.6985, 60.9202,
63.2201

■ 68.3454, 64.3350,
64.0658

■ 72.3083, 66.3660,
64.7890

Harmonies

Analogous

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



34.1480, 46.6732, 41.3074



33.9073, 46.6732, 58.2607



36.2745, 46.6732, 76.7801

Triad

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



33.9073, 46.6732, 58.2607



52.6839, 46.6732, 79.7780



48.0103, 46.6732, 25.1686

Complementary

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



33.9073, 46.6732, 58.2607



28.6487, 19.3786, 11.9048

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.



53.5690, 46.6732, 31.4891



33.9073, 46.6732, 58.2607



56.4319, 46.6732, 61.6894

Square

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



33.9073, 46.6732, 58.2607



46.8890, 46.6732, 90.9730



56.7699, 46.6732, 44.0399



41.9265, 46.6732, 24.6571

Rectangle

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



33.9073, 46.6732, 58.2607



39.1505, 46.6732, 86.5165



56.7699, 46.6732, 44.0399



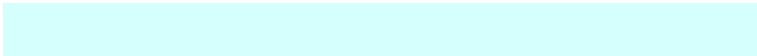
50.0154, 46.6732, 26.6039

Sweetspot

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



33.9087, 46.6750, 58.2618



80.5558, 92.5632, 106.6311



26.3494, 43.7135, 15.6441



16.9241, 19.6492, 22.7685



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.



33.9087, 46.6750, 58.2618



55.8204, 79.9171, 100.7059



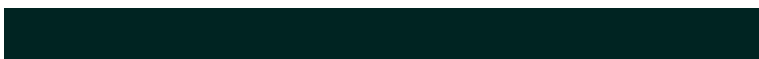
24.5994, 27.1422, 57.9773



10.9258, 12.0592, 13.5596



19.1368, 28.6671, 35.9947



0.9125, 1.3599, 1.7379

Inverse Universe

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



28.6487, 19.3786, 11.9048



45.7505, 27.5435, 11.8728



34.0410, 30.4926, 12.6868



10.6524, 10.6444, 11.1529



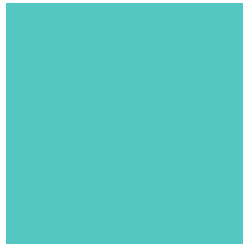
15.1845, 7.8234, 0.9154



0.7257, 0.3731, 0.0788

Previews

White Background



This preview shows how the XYZ color 33.9073, 46.6732, 58.2607 looks on a white background.

Color Contrast Check

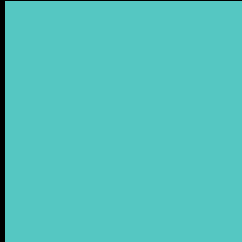
Large Text (above 18pt) WCAG AA × Fail

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 33.9073, 46.6732, 58.2607 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

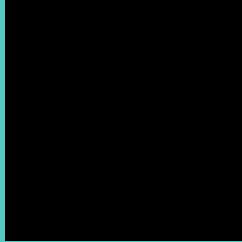
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.9073, 46.6732, 58.2607

Background



This preview shows how black text looks on a background with the XYZ color 33.9073, 46.6732, 58.2607.

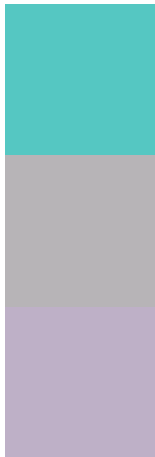


This preview shows how white text looks on a background with the XYZ color 33.9073, 46.6732,

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

33.9073, 46.6732, 58.2607

Protanopia

44.3969, 46.1287, 51.3635

Deuteranopia

47.0693, 46.1213, 60.4543



Tritanopia

36.0372, 46.5086, 69.3651

Trichromacy



Original Color

33.9073, 46.6732, 58.2607



Protanomaly

38.7726, 45.3315, 53.7200



Deuteranomaly

40.1674, 44.9876, 59.3897



Tritanomaly

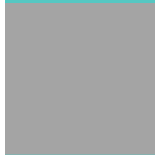
35.1055, 46.4641, 64.8758

Monochromacy



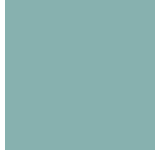
Original Color

33.9073, 46.6732, 58.2607



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

33.4517, 39.6903, 46.4553

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9073, 46.6732, 58.2607 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(85, 199, 194)` looks like.

```
.text, #text, p{  
    color:rgb(85, 199, 194)  
}
```

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(85, 199, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 199, 194) }
```

Border

The CSS property to change the border of an element to XYZ 33.9073, 46.6732, 58.2607 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(85, 199, 194) }
```


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

```
.border{ border-color:rgb(85, 199, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 199, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 199, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 199, 194);  
box-shadow:4px 4px 4px 4px rgb(85, 199,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9073, 46.6732, 58.2607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 199, 194) }
```

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

```
.background{ background-color: rgb(85, 199,  
194) }
```

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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