

Converting Colors

XYZ(33.4877, 43.2522, 56.1467)

Have a look what the booklet for
XYZ(33.4877, 43.2522, 56.1467)
contains.

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Color

**XYZ(33.4273, 43.1600,
55.8591)**

Conversions

Conversions Part 1

Format	Color
Hex	69BDBF
RGB	105, 189, 191
RGB Percent	41%, 74%, 75%
CMY	0.5882, 0.2588, 0.2510
CMYK	0.45, 0.01, 0.00, 0.25
HSL	181°, 40%, 58%
HSV	181°, 45%, 75%
XYZ	33.4273, 43.1600, 55.8591
YIQ	164.1120, -50.7060, -17.1860

Conversions

Conversions Part 2

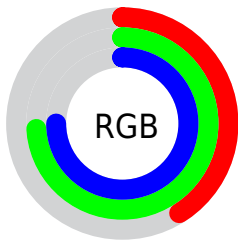
Format	Color
RYB	105, 147, 191
Decimal	6929855
CIELab	71.66, -24.93, -8.96
CIELCh	72, 26.490, 199.775
Yxy	43.1600, 0.2524, 0.3259
Android (android.graphics.Color)	4285119935 (0xFF69BDBF)
YUV	164.1120, 13.2558, -51.8412
Hunter-Lab	65.6963, -24.1449, -4.4247

Details

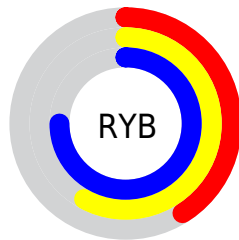
The XYZ color **33.4273, 43.1600, 55.8591** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **29.2942, 22.6125, 16.1865**, and the grayscale version is **35.2972, 37.1354, 40.4405**.

A 20% lighter version of the original color is **64.4422, 80.2040, 100.0801**, and **14.4237, 19.7673, 27.1000** is the 20% darker color. If you saturate the color by 10%, you get **31.3360, 41.9414, 55.7349**, and if you desaturate by 10%, it is **36.0253, 44.6423, 56.0090**.

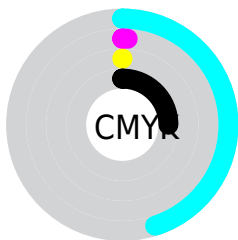
Distribution



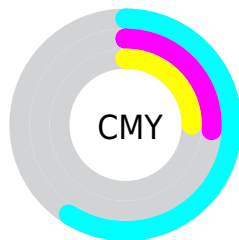
- Red (41%)
- Green (74%)
- Blue (75%)



- Red (41%)
- Yellow (58%)
- Blue (75%)



- Cyan (45%)
- Magenta (1%)
- Yellow (0%)
- Black (25%)



- Cyan (59%)
- Magenta (26%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4273, 43.1600, 55.8591 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 33.4273, 43.1600, 55.8591 by changing the saturation by 10% instead.

■ 33.4273, 43.1600,
55.8591

■ 33.4273, 43.1600,
55.8591

309.2018,
359.2694, 426.5337

■ 22.6148, 30.0107,
39.6867

■ 64.3923, 79.9522,
100.2823

■ 14.4285, 19.8467,
26.9824

■ 85.2755, 104.3640,
129.3702

■ 8.5030, 12.2837,
17.3277

■ 110.2463,
133.2986, 163.6003

■ 4.4729, 6.9372,
10.3040

■ 139.6701,
167.1405, 203.3912

■ 1.9730, 3.4228,
5.4927

173.9121,
206.2742, 249.1615

■ 0.6187, 1.3563,
2.4754

213.3379,

■ 0.0000, 0.1842,

251.0840, 301.3296

0.8271

258.3127,
301.9542, 360.3142

■ 0.0000, 0.0000,
0.0000

■ 33.4273, 43.1600,
55.8591

■ 33.4273, 43.1600,
55.8591

■ 31.3360, 41.9414,
55.7349

■ 36.0253, 44.6423,
56.0090

■ 29.7133, 40.9638,
55.6317

■ 39.1571, 46.3991,
56.1831

■ 28.5223, 40.2091,
55.5488

■ 42.8524, 48.4470,
56.3836

■ 27.7184, 39.6545,
55.4841

■ 47.1378, 50.7994,
56.6118

■ 27.2476, 39.2720,
55.4351

■ 52.0379, 53.4692,
56.8688

■ 27.0819, 39.1172,
55.4140

■ 57.5763, 56.4685,
57.1559

■ 63.7751, 59.8086,
57.4739

■ 69.6155, 62.9645,
57.7752

■ 69.7135, 63.1604,
57.8078

Harmonies

Analogous

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



33.1040, 43.1600, 42.7428



33.4273, 43.1600, 55.8591



35.6991, 43.1600, 68.4966

Triad

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



33.4273, 43.1600, 55.8591



47.9685, 43.1600, 64.8247



42.5729, 43.1600, 26.6305

Complementary

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



33.4273, 43.1600, 55.8591



29.2942, 22.6125, 16.1865

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.



46.8499, 43.1600, 30.5403



33.4273, 43.1600, 55.8591



50.1121, 43.1600, 51.5179

Square

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



33.4273, 43.1600, 55.8591



44.0110, 43.1600, 74.2912



49.6885, 43.1600, 39.1201



38.1720, 43.1600, 27.3662

Rectangle

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



33.4273, 43.1600, 55.8591



38.1114, 43.1600, 74.2012



49.6885, 43.1600, 39.1201



44.0778, 43.1600, 27.4125

Sweetspot

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



33.4286, 43.1617, 55.8601



77.3242, 87.0853, 101.0129



27.0817, 41.3154, 20.3027



16.6386, 18.9350, 22.1632



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.



33.4286, 43.1617, 55.8601



56.1784, 75.1495, 99.8235



25.5972, 27.4990, 53.2497



9.7891, 10.7705, 12.2352



17.8063, 25.7243, 36.4197



0.7036, 1.0198, 1.4286

Inverse Universe

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



35.7238, 24.8549, 51.0605



60.8406, 38.3698, 89.9837



34.8528, 33.7297, 18.0394



9.9201, 9.6924, 11.9684



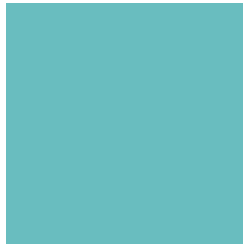
19.9886, 9.6266, 31.5630



0.7860, 0.3783, 1.2525

Previews

White Background



This preview shows how the XYZ color 33.4273, 43.1600, 55.8591 looks on a white background.

Color Contrast Check

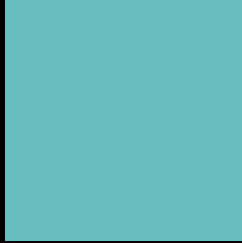
Large Text (above 18pt) WCAG AA × Fail

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 33.4273, 43.1600, 55.8591 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 33.4273, 43.1600, 55.8591

Background



This preview shows how black text looks on a background with the XYZ color 33.4273, 43.1600, 55.8591.

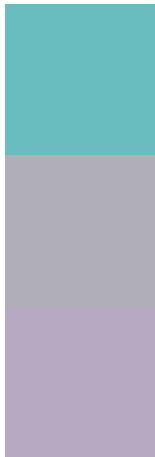


This preview shows how white text looks on a background with the XYZ color 33.4273, 43.1600,

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

33.4273, 43.1600, 55.8591

Protanopia

41.4840, 42.8796, 50.3461

Deuteranopia

43.5165, 42.6347, 57.5655



Tritanopia

34.6153, 42.9931, 62.3512

Trichromacy



Original Color

33.4273, 43.1600, 55.8591

Protanomaly

37.4547, 42.2270, 52.0755

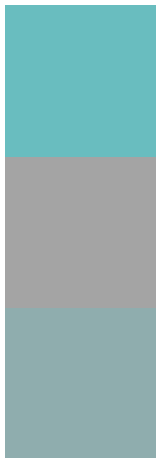
Deuteranomaly

38.7862, 42.2093, 57.1419

Tritanomaly

34.2397, 43.1695, 59.9540

Monochromacy



Original Color

33.4273, 43.1600, 55.8591

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

33.9112, 38.7828, 45.7429

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4273, 43.1600, 55.8591 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(105, 189, 191)` looks like.

```
.text, #text, p{  
    color:rgb(105, 189, 191)  
}
```

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(105, 189, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 189, 191) }
```

Border

The CSS property to change the border of an element to XYZ 33.4273, 43.1600, 55.8591 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(105, 189, 191) }
```


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

```
.border{ border-color:rgb(105, 189, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 189, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 189, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 189, 191);  
box-shadow:4px 4px 4px 4px rgb(105, 189,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4273, 43.1600, 55.8591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 189, 191) }
```

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

```
.background{ background-color: rgb(105,  
189, 191) }
```

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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