

Converting Colors

XYZ(31.9827, 44.0005, 48.4003)

Have a look what the booklet for
XYZ(31.9827, 44.0005, 48.4003)
contains.

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Color

**XYZ(31.9355, 43.8556,
48.3768)**

Conversions

Conversions Part 1

Format	Color
Hex	61C1B1
RGB	97, 193, 177
RGB Percent	38%, 76%, 69%
CMY	0.6196, 0.2431, 0.3059
CMYK	0.50, 0.00, 0.08, 0.24
HSL	170°, 44%, 57%
HSV	170°, 50%, 76%
XYZ	31.9355, 43.8556, 48.3768
YIQ	162.4720, -52.0800, -25.3280

Conversions

Conversions Part 2

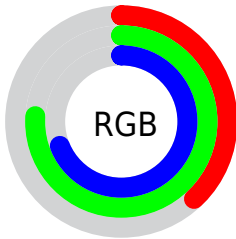
Format	Color
RYB	97, 149, 193
Decimal	6406577
CIELab	72.13, -32.28, -0.66
CIElCh	72, 32.284, 181.172
Yxy	43.8556, 0.2572, 0.3532
Android (android.graphics.Color)	4284596657 (0xFF61C1B1)
YUV	162.4720, 7.1623, -57.4189
Hunter-Lab	66.2236, -29.8118, 3.0447

Details

The XYZ color **31.9355, 43.8556, 48.3768** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **29.2491, 21.0802, 18.1516**, and the grayscale version is **34.5500, 36.3493, 39.5844**.

A 20% lighter version of the original color is **62.2200, 81.1244, 89.4700**, and **13.6274, 20.3032, 22.6027** is the 20% darker color. If you saturate the color by 10%, you get **29.8073, 42.7961, 46.6238**, and if you desaturate by 10%, it is **34.5741, 45.1794, 50.1951**.

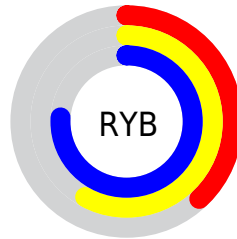
Distribution



Red (38%)

Green (76%)

Blue (69%)



Red (38%)

Yellow (58%)

Blue (76%)

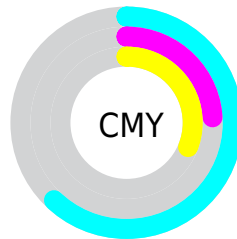


Cyan (50%)

Magenta (0%)

Yellow (8%)

Black (24%)



Cyan (62%)

Magenta (24%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9355, 43.8556, 48.3768 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 31.9355, 43.8556, 48.3768 by changing the saturation by 10% instead.

31.9355, 43.8556,
48.3768

31.9355, 43.8556,
48.3768

302.5758,
362.1187, 396.8354

21.4675, 30.5570,
33.7633

62.0758, 81.0004,
89.1365

13.5806, 20.2618,
22.4359

82.4789, 105.6154,
116.1198

7.9093, 12.5855,
13.9762

106.9244,
134.7713, 148.0634

4.0883, 7.1437,
7.9655

135.7777,
168.8526, 185.3859

1.7522, 3.5521,
3.9854

169.4042,
208.2436, 228.5058

0.4886, 1.4263,
1.6174

208.1691,

0.0000, 0.2360,

253.3286, 277.8417

0.3032

252.4379,
304.4922, 333.8121

■ 0.0000, 0.0000,
0.0000

■ 31.9355, 43.8556,
48.3768

■ 31.9355, 43.8556,
48.3768

■ 29.8073, 42.7961,
46.6238

■ 34.5741, 45.1794,
50.1951

■ 28.1486, 41.9768,
44.9310

■ 37.7525, 46.7796,
52.0775

■ 26.9188, 41.3777,
43.2971


■ 41.5024, 48.6735,
54.0265


■ 26.0680, 40.9732,
41.7197


■ 45.8519, 50.8756,
56.0439


■ 25.5026, 40.7149,
40.1941


■ 50.8273, 53.3994,
58.1311

 25.4889, 40.7087,
40.1550

 56.4532, 56.2578,
60.2896

 62.7531, 59.4626,
62.5205

 69.7490, 63.0254,
64.8254

 71.4458, 63.8554,
66.9237

Harmonies

Analogous

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



33.0490, 43.8556, 34.5279



31.9355, 43.8556, 48.3768



33.2357, 43.8556, 65.3015

Triad

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



31.9355, 43.8556, 48.3768



47.4299, 43.8556, 78.8135



47.0205, 43.8556, 25.7422

Complementary

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



31.9355, 43.8556, 48.3768



29.2491, 21.0802, 18.1516

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.



51.4536, 43.8556, 33.6662



31.9355, 43.8556, 48.3768



51.7042, 43.8556, 63.9815

Square

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



31.9355, 43.8556, 48.3768



41.9013, 43.8556, 85.1024



53.2369, 43.8556, 47.1312



41.4663, 43.8556, 23.3278

Rectangle

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



31.9355, 43.8556, 48.3768



35.3690, 43.8556, 75.6031



53.2369, 43.8556, 47.1312



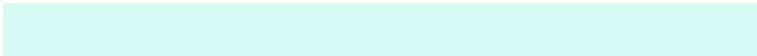
48.7079, 43.8556, 27.7485

Sweetspot

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



31.9368, 43.8573, 48.3778



77.7020, 88.8784, 98.3709



28.2467, 42.6225, 18.0483



16.3225, 18.8917, 20.9400



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.



31.9368, 43.8573, 48.3778



52.9836, 76.4473, 83.1311



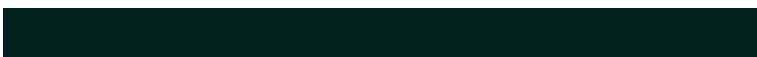
27.5830, 32.4457, 55.2629



10.2941, 11.3987, 12.5521



16.9779, 27.0852, 26.8406



0.7532, 1.1781, 1.2629

Inverse Universe

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



29.2491, 21.0802, 18.1516



47.6405, 30.8917, 22.8380



31.7925, 27.4841, 14.9394



10.1402, 10.1047, 10.8287



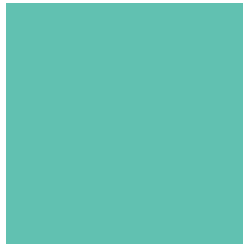
14.8228, 7.6189, 1.7128



0.6623, 0.3379, 0.1890

Previews

White Background



This preview shows how the XYZ color 31.9355, 43.8556, 48.3768 looks on a white background.

Color Contrast Check

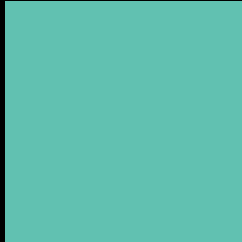
Large Text (above 18pt) WCAG AA × Fail

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 31.9355, 43.8556, 48.3768 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

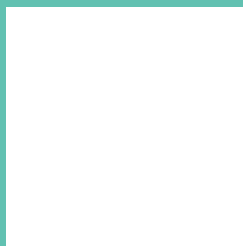
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.9355, 43.8556, 48.3768

Background



This preview shows how black text looks on a background with the XYZ color 31.9355, 43.8556, 48.3768.

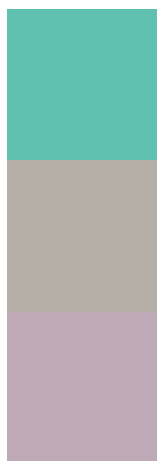


This preview shows how white text looks on a background with the XYZ color 31.9355, 43.8556,

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

31.9355, 43.8556, 48.3768

Protanopia

41.3611, 43.2737, 42.7319

Deuteranopia

44.0534, 43.0740, 50.2482



Tritanopia

35.0405, 43.8190, 63.7378

Trichromacy



Original Color

31.9355, 43.8556, 48.3768

Protanomaly

36.6563, 42.8802, 44.8728

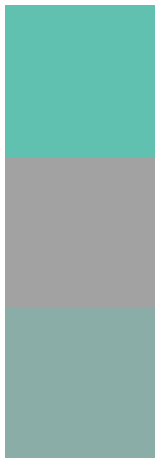
Deuteranomaly

37.8689, 42.2040, 49.3303

Tritanomaly

33.7446, 43.6055, 57.6771

Monochromacy



Original Color

31.9355, 43.8556, 48.3768

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

32.3999, 38.0804, 42.2018

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9355, 43.8556, 48.3768 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(97, 193, 177)` looks like.

```
.text, #text, p{  
    color:rgb(97, 193, 177)  
}
```

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(97, 193, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 193, 177) }
```

Border

The CSS property to change the border of an element to XYZ 31.9355, 43.8556, 48.3768 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(97, 193, 177) }
```


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

```
.border{ border-color:rgb(97, 193, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 193, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 193, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 193, 177);  
box-shadow:4px 4px 4px 4px rgb(97, 193,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9355, 43.8556, 48.3768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 193, 177) }
```

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

```
.background{ background-color: rgb(97, 193,  
177) }
```

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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