

Converting Colors

XYZ(32.4457, 44.9449, 56.5737)

Have a look what the booklet for
XYZ(32.4457, 44.9449, 56.5737)
contains.

XYZ(32.4788, 44.9479, 56.8332)	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(32.4788, 44.9479,
56.8332)**

Conversions

Conversions Part 1

Format	Color
Hex	4FC4C0
RGB	79, 196, 192
RGB Percent	31%, 77%, 75%
CMY	0.6902, 0.2314, 0.2471
CMYK	0.60, 0.00, 0.02, 0.23
HSL	178°, 50%, 54%
HSV	178°, 60%, 77%
XYZ	32.4788, 44.9479, 56.8332
YIQ	160.5610, -68.4480, -26.0480

Conversions

Conversions Part 2

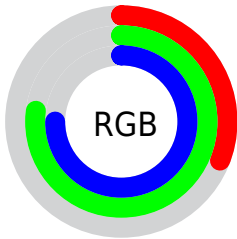
Format	Color
RYB	79, 139, 196
Decimal	5227712
CIELab	72.86, -33.45, -7.83
CIELCh	73, 34.349, 193.174
Yxy	44.9479, 0.2419, 0.3348
Android (android.graphics.Color)	4283417792 (0xFF4FC4C0)
YUV	160.5610, 15.4994, -71.5290
Hunter-Lab	67.0432, -30.8520, -3.3305

Details

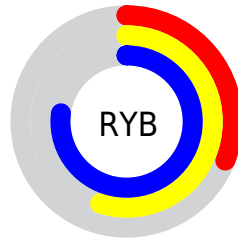
The XYZ color **32.4788, 44.9479, 56.8332** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **27.1238, 17.9536, 10.2209**, and the grayscale version is **33.6272, 35.3785, 38.5272**.

A 20% lighter version of the original color is **62.8838, 82.6033, 101.4366**, and **14.3332, 21.2101, 27.7646** is the 20% darker color. If you saturate the color by 10%, you get **31.0088, 44.1997, 56.3785**, and if you desaturate by 10%, it is **34.4323, 45.9474, 57.3143**.

Distribution



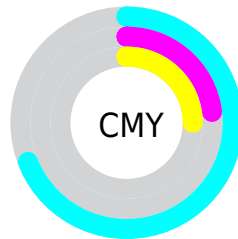
- Red (31%)
- Green (77%)
- Blue (75%)



- Red (31%)
- Yellow (55%)
- Blue (77%)



- Cyan (60%)
- Magenta (0%)
- Yellow (2%)
- Black (23%)





- Cyan (69%)
- Magenta (23%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.4788, 44.9479, 56.8332 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 32.4788, 44.9479, 56.8332 by changing the saturation by 10% instead.


 32.4788, 44.9479,
56.8332


 32.4788, 44.9479,
56.8332


305.0013,
366.5625, 430.3002


 21.8848, 31.4164,
40.4629

 62.9211, 82.6422,
101.7197


 13.8884, 20.9161,
27.5831


 83.5001, 107.5738,
131.0729

 8.1243, 13.0627,
17.7753


 108.1381,
137.0743, 165.5909

 4.2270, 7.4717,
10.6210

 137.2005,
171.5279, 205.6921

 1.8314, 3.7588,
5.7017

171.0527,
211.3191, 251.7951

 0.5365, 1.5396,
2.5987

210.0600,

 0.0000, 0.3164,

256.8324, 304.3184

0.8918

254.5877,
308.4521, 363.6806

■ 0.0000, 0.0000,
0.0000

■ 32.4788, 44.9479,
56.8332

■ 32.4788, 44.9479,
56.8332

■ 31.0088, 44.1997,
56.3785

■ 34.4323, 45.9474,
57.3143

■ 29.9748, 43.6752,
55.9449

■ 36.9038, 47.2128,
57.8204

■ 29.3265, 43.3494,
55.5312

■ 39.9289, 48.7637,
58.3542

■ 28.9683, 43.1732,
55.1328

■ 43.5393, 50.6162,
58.9172

■ 28.9585, 43.1684,
55.1206

■ 47.7641, 52.7854,
59.5107

■ 52.6304, 55.2853,
60.1360

■ 58.1640, 58.1291,
60.7943

■ 64.3889, 61.3293,
61.4867

■ 71.1777, 64.8201,
62.2073

Harmonies

Analogous

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



32.6369, 44.9479, 40.0171



32.4788, 44.9479, 56.8332



34.8755, 44.9479, 75.0961

Triad

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



32.4788, 44.9479, 56.8332



51.0787, 44.9479, 77.0864



46.1358, 44.9479, 23.7098

Complementary

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



32.4788, 44.9479, 56.8332



27.1238, 17.9536, 10.2209

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.



51.6642, 44.9479, 29.6957



32.4788, 44.9479, 56.8332



54.6952, 44.9479, 59.1009

Square

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



32.4788, 44.9479, 56.8332



45.3953, 44.9479, 88.4991



54.9190, 44.9479, 41.8148



40.1551, 44.9479, 23.3765

Rectangle

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



32.4788, 44.9479, 56.8332



37.7417, 44.9479, 84.5861



54.9190, 44.9479, 41.8148



48.1214, 44.9479, 25.0502

Sweetspot

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



32.4801, 44.9496, 56.8343



79.8810, 92.2092, 106.8761



24.8853, 41.9704, 14.1877



16.6499, 19.5066, 22.8097



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.



32.4801, 44.9496, 56.8343



55.4432, 79.6969, 101.8548



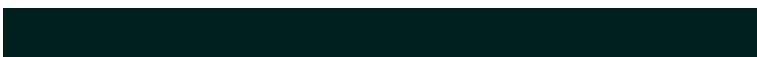
23.0648, 25.3996, 55.9134



10.3532, 11.4223, 12.8631



18.6132, 27.7394, 35.4519



0.8090, 1.2004, 1.5567

Inverse Universe

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



27.1238, 17.9536, 10.2209



44.8825, 26.3630, 9.8707



32.3817, 28.7097, 11.2330



10.0868, 10.0833, 10.5479



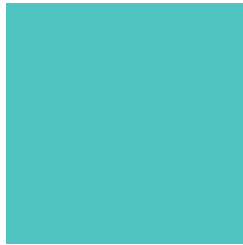
14.6576, 7.5528, 0.8431



0.6382, 0.3283, 0.0623

Previews

White Background



This preview shows how the XYZ color 32.4788, 44.9479, 56.8332 looks on a white background.

Color Contrast Check

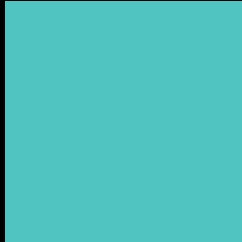
Large Text (above 18pt) WCAG AA × Fail

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 32.4788, 44.9479, 56.8332 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

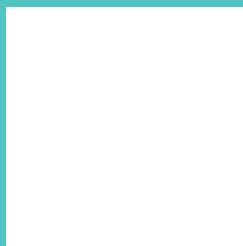
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.4788, 44.9479, 56.8332

Background



This preview shows how black text looks on a background with the XYZ color 32.4788, 44.9479, 56.8332.

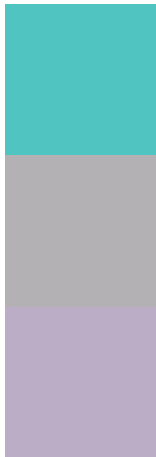


This preview shows how white text looks on a background with the XYZ color 32.4788, 44.9479,

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

32.4788, 44.9479, 56.8332

Protanopia

42.7828, 44.4429, 49.5035

Deuteranopia

45.2713, 44.3575, 58.9991



Tritanopia

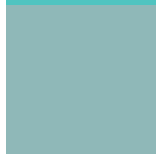
34.4163, 44.7218, 67.1398

Trichromacy



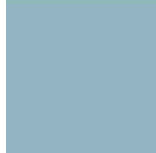
Original Color

32.4788, 44.9479, 56.8332



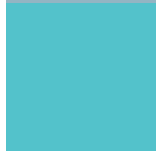
Protanomaly

37.1199, 43.5813, 51.8030



Deuteranomaly

38.4068, 43.1909, 57.9422



Tritanomaly

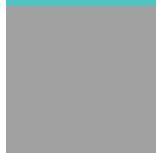
33.6386, 44.7344, 63.3616

Monochromacy



Original Color

32.4788, 44.9479, 56.8332



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

31.9425, 38.0760, 44.6956

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4788, 44.9479, 56.8332 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(79, 196, 192)` looks like.

```
.text, #text, p{  
    color:rgb(79, 196, 192)  
}
```

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(79, 196, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 196, 192) }
```

Border

The CSS property to change the border of an element to XYZ 32.4788, 44.9479, 56.8332 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(79, 196, 192) }
```


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

```
.border{ border-color:rgb(79, 196, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 196, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 196, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 196, 192);  
box-shadow:4px 4px 4px 4px rgb(79, 196,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4788, 44.9479, 56.8332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 196, 192) }
```

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

```
.background{ background-color: rgb(79, 196,  
192) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor