

Converting Colors

XYZ(32.7620, 48.5506, 57.0791)

Have a look what the booklet for
XYZ(32.7620, 48.5506, 57.0791)
contains.

XYZ(32.7419, 48.5572, 56.9370)	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(32.7419, 48.5572,
56.9370)**

Conversions

Conversions Part 1

Format	Color
Hex	31CEBF
RGB	49, 206, 191
RGB Percent	19%, 81%, 75%
CMY	0.8078, 0.1921, 0.2510
CMYK	0.76, 0.00, 0.07, 0.19
HSL	174°, 62%, 50%
HSV	174°, 76%, 81%
XYZ	32.7419, 48.5572, 56.9370
YIQ	157.3470, -88.7570, -37.9490

Conversions

Conversions Part 2

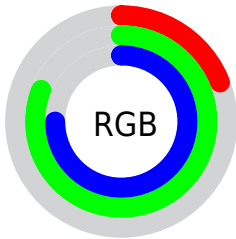
Format	Color
RYB	49, 131, 206
Decimal	3264191
CIELab	75.18, -42.49, -3.93
CIELCh	75, 42.674, 185.286
Yxy	48.5572, 0.2369, 0.3513
Android (android.graphics.Color)	4281454271 (0xFF31CEBF)
YUV	157.3470, 16.5909, -95.0203
Hunter-Lab	69.6830, -38.0736, 0.3331

Details

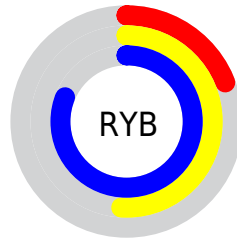
The XYZ color **32.7419, 48.5572, 56.9370** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted spring green. A complement of this color would be **27.4790, 15.6900, 6.4324**, and the grayscale version is **32.1622, 33.8371, 36.8487**.

A 20% lighter version of the original color is **60.4337, 82.3003, 100.6961**, and **15.6541, 23.9682, 27.8460** is the 20% darker color. If you saturate the color by 10%, you get **31.7511, 48.0724, 55.7683**, and if you desaturate by 10%, it is **34.1921, 49.2807, 58.1445**.

Distribution



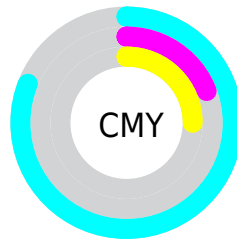
- Red (19%)
- Green (81%)
- Blue (75%)



- Red (19%)
- Yellow (51%)
- Blue (81%)



- Cyan (76%)
- Magenta (0%)
- Yellow (7%)
- Black (19%)





- Cyan (81%)
- Magenta (19%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.7419, 48.5572, 56.9370 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 32.7419, 48.5572, 56.9370 by changing the saturation by 10% instead.


 32.7419, 48.5572,
56.9370


 32.7419, 48.5572,
56.9370


306.1707,
380.9965, 430.7003


 22.0871, 34.2684,
40.5456

 63.3297, 88.0334,
101.8727


 14.0379, 23.0998,
27.6472


 83.9935, 113.9896,
131.2541


 8.2289, 14.6672,
17.8232

 108.7242,
144.6037, 165.8026

 4.2948, 8.5862,
10.6550

 137.8874,
180.2601, 205.9367

 1.8702, 4.4723,
5.7241

 171.8482,
221.3432, 252.0750

 0.5594, 1.9411,
2.6120

210.9722,

 0.0000, 0.5729,

268.2373, 304.6360

0.8986

255.6245,
321.3270, 364.0383

■ 0.0000, 0.0000,
0.0000

■ 32.7419, 48.5572,
56.9370

■ 32.7419, 48.5572,
56.9370

■ 31.7511, 48.0724,
55.7683

■ 34.1921, 49.2807,
58.1445

■ 31.1464, 47.7852,
54.6318

■ 36.1524, 50.2658,
59.3901

■ 30.9689, 47.7029,
54.2073

■ 38.6712, 51.5384,
60.6772

■ 41.7903, 53.1201,
62.0077

■ 45.5474, 55.0304,
63.3835

■ 49.9771, 57.2871,
64.8063

■ 55.1115, 59.9067,
66.2776

■ 60.9808, 62.9049,
67.7988

■ 67.6132, 66.2960,
69.3715

Harmonies

Analogous

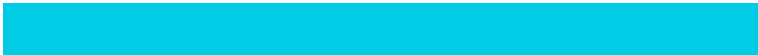
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.7976, 48.5572, 36.8342



32.7419, 48.5572, 56.9370



34.9354, 48.5572, 81.8471

Triad

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



32.7419, 48.5572, 56.9370



55.3930, 48.5572, 96.3817



52.7278, 48.5572, 22.6094

Complementary

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



32.7419, 48.5572, 56.9370



27.4790, 15.6900, 6.4324

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.



59.5446, 48.5572, 31.6946



32.7419, 48.5572, 56.9370



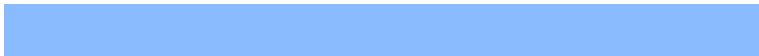
61.2011, 48.5572, 72.9934

Square

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



32.7419, 48.5572, 56.9370



47.5510, 48.5572, 108.3791



62.7998, 48.5572, 49.0025



44.7810, 48.5572, 20.5411

Rectangle

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



32.7419, 48.5572, 56.9370



38.1087, 48.5572, 96.7495



62.7998, 48.5572, 49.0025



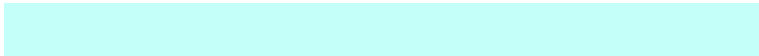
55.2545, 48.5572, 24.7875

Sweetspot

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



32.7433, 48.5590, 56.9382



75.7768, 90.1670, 103.3565



24.7874, 45.4799, 10.3789



15.6915, 19.0307, 21.9444



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.



32.7433, 48.5590, 56.9382



50.7953, 77.5748, 89.2568



22.2615, 24.8164, 62.0113



11.4953, 12.7078, 14.1654



19.0887, 29.3808, 33.4818



0.9985, 1.5212, 1.7998

Inverse Universe

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



27.4790, 15.6900, 6.4324



42.0214, 22.0612, 4.5386



31.7820, 24.8899, 6.0360



11.2551, 11.2308, 11.8782



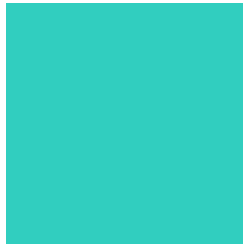
15.7658, 8.1169, 1.2197



0.8286, 0.4248, 0.1433

Previews

White Background



This preview shows how the XYZ color 32.7419, 48.5572, 56.9370 looks on a white background.

Color Contrast Check

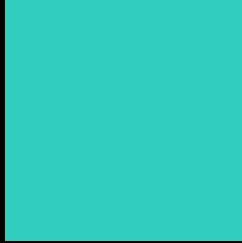
Large Text (above 18pt) WCAG AA × Fail

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 32.7419, 48.5572, 56.9370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

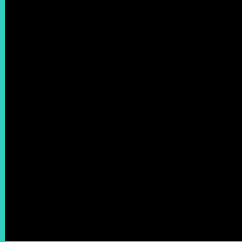
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

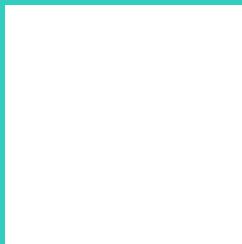
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.7419, 48.5572, 56.9370

Background



This preview shows how black text looks on a background with the XYZ color 32.7419, 48.5572, 56.9370.

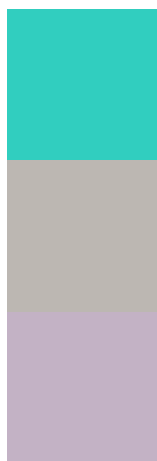


This preview shows how white text looks on a background with the XYZ color 32.7419, 48.5572,

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

32.7419, 48.5572, 56.9370

Protanopia

45.7084, 47.7727, 48.9314

Deuteranopia

48.5041, 47.4741, 59.4303



Tritanopia

36.0902, 48.4963, 73.7882

Trichromacy



Original Color

32.7419, 48.5572, 56.9370



Protanomaly

37.4946, 45.9989, 51.7022



Deuteranomaly

38.9889, 45.6574, 58.3876



Tritanomaly

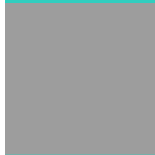
34.6046, 48.2266, 67.1593

Monochromacy



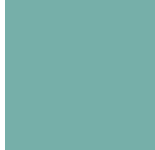
Original Color

32.7419, 48.5572, 56.9370



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

29.9626, 37.3761, 43.1712

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7419, 48.5572, 56.9370 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(49, 206, 191)` looks like.

```
.text, #text, p{  
    color:rgb(49, 206, 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(49, 206, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 206, 191) }
```

Border

The CSS property to change the border of an element to XYZ 32.7419, 48.5572, 56.9370 is called "border". The border property can be set on classes, ids or directly on the HTML element.

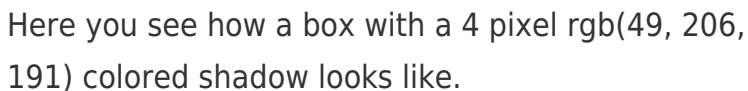
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(49, 206, 191) }
```


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

```
.border{ border-color:rgb(49, 206, 191) }
```

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



Here you see how a box with a 4 pixel `rgb(49, 206, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(49, 206, 191); -webkit-box-shadow:4px 4px 4px 4px rgb(49, 206, 191); box-shadow:4px 4px 4px 4px rgb(49, 206, 191) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7419, 48.5572, 56.9370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 206, 191) }
```

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

```
.background{ background-color: rgb(49, 206,  
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](#).

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