

Converting Colors

XYZ(32.2211, 46.7466, 61.8462)

Have a look what the booklet for
XYZ(32.2211, 46.7466, 61.8462)
contains.

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Color

**XYZ(32.2390, 46.7685,
61.9716)**

Conversions

Conversions Part 1

Format	Color
Hex	23CAC8
RGB	35, 202, 200
RGB Percent	14%, 79%, 78%
CMY	0.8627, 0.2078, 0.2157
CMYK	0.83, 0.00, 0.01, 0.21
HSL	179°, 70%, 46%
HSV	179°, 83%, 79%
XYZ	32.2390, 46.7685, 61.9716
YIQ	151.8390, -98.8900, -36.0260

Conversions

Conversions Part 2

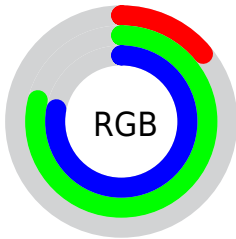
Format	Color
RYB	35, 119, 202
Decimal	2345672
CIELab	74.04, -39.41, -10.50
CIELCh	74, 40.786, 194.920
Yxy	46.7685, 0.2287, 0.3317
Android (android.graphics.Color)	4280535752 (0xFF23CAC8)
YUV	151.8390, 23.7434, -102.4678
Hunter-Lab	68.3875, -35.5303, -5.8564

Details

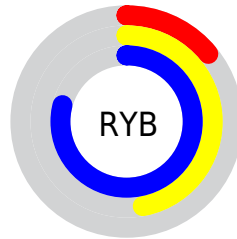
The XYZ color **32.2390, 46.7685, 61.9716** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted cyan. A complement of this color would be **25.2937, 13.8937, 3.1004**, and the grayscale version is **29.7097, 31.2570, 34.0388**.

A 20% lighter version of the original color is **60.8802, 82.3848, 107.3009**, and **15.6220, 22.9428, 30.7992** is the 20% darker color. If you saturate the color by 10%, you get **31.7124, 46.5013, 61.8004**, and if you desaturate by 10%, it is **33.1625, 47.2423, 62.1637**.

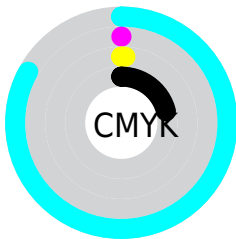
Distribution



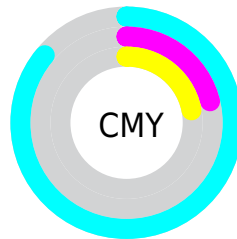
- Red (14%)
- Green (79%)
- Blue (78%)



- Red (14%)
- Yellow (47%)
- Blue (79%)



- Cyan (83%)
- Magenta (0%)
- Yellow (1%)
- Black (21%)



- Cyan (86%)
- Magenta (21%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2390, 46.7685, 61.9716 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 32.2390, 46.7685, 61.9716 by changing the saturation by 10% instead.

■ 32.2390, 46.7685,
61.9716

■ 32.2390, 46.7685,
61.9716

303.9325,
373.8897, 449.8323

■ 21.7005, 32.8527,
44.5741

■ 62.5482, 85.3680,
109.2557

■ 13.7524, 22.0136,
30.7816

■ 83.0498, 110.8204,
139.9794

■ 8.0292, 13.8669,
20.1755

■ 107.6030,
140.8872, 175.9822

■ 4.1656, 8.0282,
12.3374

■ 136.5733,
175.9526, 217.6827

■ 1.7962, 4.1130,
6.8485

■ 170.3261,
216.4013, 265.4994

■ 0.5154, 1.7370,
3.2906

209.2266,

■ 0.0000, 0.4474,

262.6174, 319.8509

1.2448

253.6403,
314.9854, 381.1557

■ 0.0000, 0.0000,
0.0159

■ 0.0000, 0.0000,
0.0000

■ 32.2390, 46.7685,
61.9716

■ 32.2390, 46.7685,
61.9716

■ 31.7124, 46.5013,
61.8004

■ 33.1625, 47.2423,
62.1637

■ 31.4977, 46.3930,
61.6822

■ 34.5378, 47.9481,
62.3762

■ 36.4156, 48.9128,
62.6124

■ 38.8386, 50.1586,
62.8743

■ 41.8451, 51.7052,
63.1638

■ 45.4700, 53.5706,
63.4825

■ 49.7453, 55.7713,
63.8318

■ 54.7010, 58.3228,
64.2132

■ 60.3649, 61.2393,
64.6280

Harmonies

Analogous

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



32.2471, 46.7685, 41.1787



32.2390, 46.7685, 61.9716



35.2489, 46.7685, 84.8460

Triad

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



32.2390, 46.7685, 61.9716



55.1002, 46.7685, 84.9569



48.1986, 46.7685, 21.1691

Complementary

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



32.2390, 46.7685, 61.9716



25.2937, 13.8937, 3.1004

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.



55.1320, 46.7685, 27.5149



32.2390, 46.7685, 61.9716



59.4030, 46.7685, 62.0945

Square

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



32.2390, 46.7685, 61.9716



48.1589, 46.7685, 100.3834



59.4153, 46.7685, 41.2723



40.9405, 46.7685, 21.1530

Rectangle

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



32.2390, 46.7685, 61.9716



38.7725, 46.7685, 96.6101



59.4153, 46.7685, 41.2723



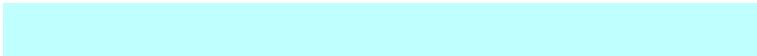
50.6608, 46.7685, 22.5354

Sweetspot

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



32.2404, 46.7702, 61.9727



75.2360, 89.7997, 107.3318



22.2168, 42.7722, 8.6763



15.6314, 18.9778, 22.9321



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.



32.2404, 46.7702, 61.9727



53.3585, 78.5631, 104.4258



18.2278, 18.3681, 58.4636



11.5373, 12.7247, 14.3866



20.2703, 29.8534, 39.7039



1.0476, 1.5409, 2.0583

Inverse Universe

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



25.2937, 13.8937, 3.1004



41.2982, 21.3276, 2.1001



30.8755, 25.1063, 4.8101



11.2177, 11.2158, 11.6810



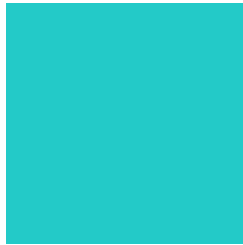
15.6844, 8.0844, 0.7908



0.8111, 0.4178, 0.0511

Previews

White Background



This preview shows how the XYZ color 32.2390, 46.7685, 61.9716 looks on a white background.

Color Contrast Check

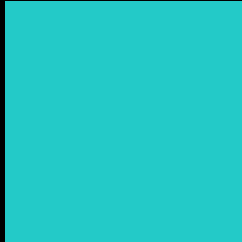
Large Text (above 18pt) WCAG AA × Fail

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 32.2390, 46.7685, 61.9716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

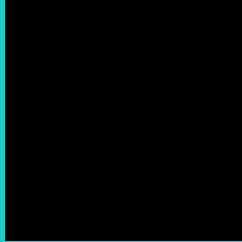
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

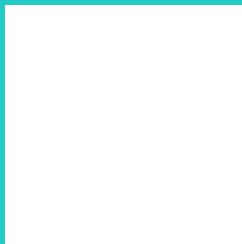
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.2390, 46.7685, 61.9716

Background



This preview shows how black text looks on a background with the XYZ color 32.2390, 46.7685, 61.9716.

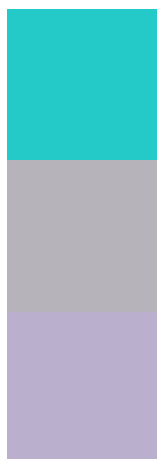


This preview shows how white text looks on a background with the XYZ color 32.2390, 46.7685,

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

32.2390, 46.7685, 61.9716

Protanopia

44.4756, 46.1328, 53.0148

Deuteranopia

46.9156, 45.9460, 64.7883



Tritanopia

34.3643, 46.9445, 72.2158

Trichromacy



Original Color

32.2390, 46.7685, 61.9716



Protanomaly

36.4405, 44.3952, 55.9387



Deuteranomaly

37.6081, 43.8829, 63.6148



Tritanomaly

33.6017, 46.9843, 68.2707

Monochromacy



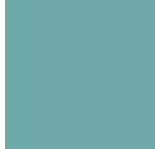
Original Color

32.2390, 46.7685, 61.9716



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

27.8428, 34.8652, 42.7983

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2390, 46.7685, 61.9716 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(35, 202, 200)` looks like.

```
.text, #text, p{  
    color:rgb(35, 202, 200)  
}
```

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(35, 202, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 202, 200) }
```

Border

The CSS property to change the border of an element to XYZ 32.2390, 46.7685, 61.9716 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(35, 202, 200) }
```


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

```
.border{ border-color:rgb(35, 202, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 202, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 202, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 202, 200);  
box-shadow:4px 4px 4px 4px rgb(35, 202,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2390, 46.7685, 61.9716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 202, 200) }
```

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

```
.background{ background-color: rgb(35, 202,  
200) }
```

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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