

Converting Colors

XYZ(32.4065, 46.2249, 59.0423)

Have a look what the booklet for
XYZ(32.4065, 46.2249, 59.0423)
contains.

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Color

**XYZ(32.3681, 46.2093,
58.8431)**

Conversions

Conversions Part 1

Format	Color
Hex	3CC8C3
RGB	60, 200, 195
RGB Percent	24%, 78%, 76%
CMY	0.7647, 0.2157, 0.2353
CMYK	0.70, 0.00, 0.03, 0.22
HSL	178°, 56%, 51%
HSV	178°, 70%, 78%
XYZ	32.3681, 46.2093, 58.8431
YIQ	157.5700, -81.8350, -31.2350

Conversions

Conversions Part 2

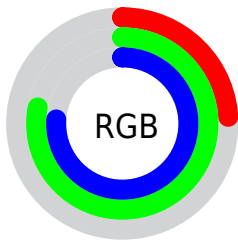
Format	Color
RYB	60, 131, 200
Decimal	3983555
CIELab	73.68, -37.39, -8.29
CIELCh	74, 38.299, 192.493
Yxy	46.2093, 0.2355, 0.3363
Android (android.graphics.Color)	4282173635 (0xFF3CC8C3)
YUV	157.5700, 18.4530, -85.5689
Hunter-Lab	67.9774, -33.9660, -3.7388

Details

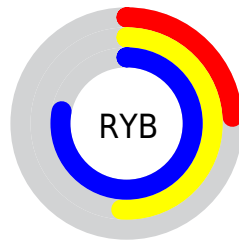
The XYZ color **32.3681, 46.2093, 58.8431** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **26.3910, 15.8942, 6.6796**, and the grayscale version is **32.2522, 33.9319, 36.9518**.

A 20% lighter version of the original color is **61.9250, 82.9971, 104.0230**, and **14.9331, 22.1739, 28.6922** is the 20% darker color. If you saturate the color by 10%, you get **31.3002, 45.6692, 58.3734**, and if you desaturate by 10%, it is **33.8955, 46.9884, 59.3384**.

Distribution



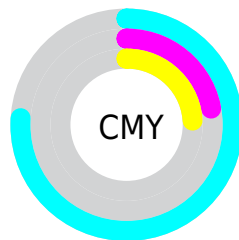
- Red (24%)
- Green (78%)
- Blue (76%)



- Red (24%)
- Yellow (51%)
- Blue (78%)



- Cyan (70%)
- Magenta (0%)
- Yellow (3%)
- Black (22%)





- Cyan (76%)
- Magenta (22%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.3681, 46.2093, 58.8431 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 32.3681, 46.2093, 58.8431 by changing the saturation by 10% instead.


 32.3681, 46.2093,
58.8431


 32.3681, 46.2093,
58.8431


304.5082,
371.6495, 438.0059


 21.7997, 32.4110,
42.0676


 62.7490, 84.5321,
104.6765


 13.8256, 21.6756,
28.8283


 83.2923, 109.8255,
134.5715


 8.0803, 13.6188,
18.7065


 107.8912,
139.7193, 169.6767

 4.1986, 7.8560,
11.2837

 136.9111,
174.5980, 210.4108

 1.8151, 4.0029,
6.1415

 170.7174,
214.8460, 257.1922

 0.5268, 1.6752,
2.8611

209.6755,

 0.0000, 0.4075,

260.8476, 310.4395

1.0242

254.1507,
312.9873, 370.5712

■ 0.0000, 0.0000,
0.0000

■ 32.3681, 46.2093,
58.8431

■ 32.3681, 46.2093,
58.8431

■ 31.3002, 45.6692,
58.3734

■ 33.8955, 46.9884,
59.3384

■ 30.6333, 45.3346,
57.9234

■ 35.9245, 48.0249,
59.8582

■ 30.2648, 45.1539,
57.4894

■ 38.4968, 49.3416,
60.4054

■ 30.2647, 45.1538,
57.4892

■ 41.6488, 50.9570,
60.9818

■ 45.4137, 52.8884,
61.5889

■ 49.8222, 55.1515,
62.2281

■ 54.9031, 57.7611,
62.9009

■ 60.6831, 60.7311,
63.6084

■ 67.1877, 64.0747,
64.3518

Harmonies

Analogous

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



32.6098, 46.2093, 39.8844



32.3681, 46.2093, 58.8431



34.9807, 46.2093, 80.0311

Triad

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



32.3681, 46.2093, 58.8431



53.3424, 46.2093, 83.2238



47.9659, 46.2093, 22.4176

Complementary

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



32.3681, 46.2093, 58.8431



26.3910, 15.8942, 6.6796

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.



54.2669, 46.2093, 29.0486



32.3681, 46.2093, 58.8431



57.5841, 46.2093, 62.4198

Square

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



32.3681, 46.2093, 58.8431



46.8056, 46.2093, 96.3556



57.9388, 46.2093, 42.6518



41.1566, 46.2093, 21.9274

Rectangle

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



32.3681, 46.2093, 58.8431



38.1629, 46.2093, 91.2943



57.9388, 46.2093, 42.6518



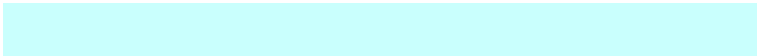
50.2300, 46.2093, 23.9046

Sweetspot

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



32.3695, 46.2111, 58.8442



77.7120, 91.0974, 106.4888



23.7862, 42.8299, 11.2896



16.2279, 19.2904, 22.7292



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.



32.3695, 46.2111, 58.8442



53.5087, 78.7242, 100.6521



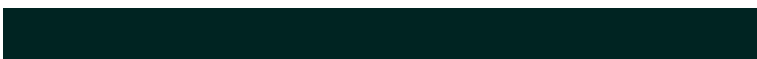
21.2362, 23.0242, 57.9702



10.9297, 12.0608, 13.5800



19.2501, 28.7124, 36.5914



0.9167, 1.3616, 1.7602

Inverse Universe

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



26.3910, 15.8942, 6.6796



42.5689, 23.0492, 5.0508



31.7198, 26.7736, 7.7722



10.6490, 10.6430, 11.1348



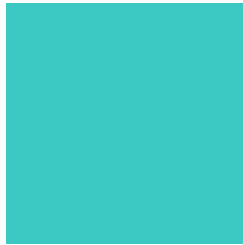
15.1772, 7.8204, 0.8770



0.7241, 0.3725, 0.0704

Previews

White Background



This preview shows how the XYZ color 32.3681, 46.2093, 58.8431 looks on a white background.

Color Contrast Check

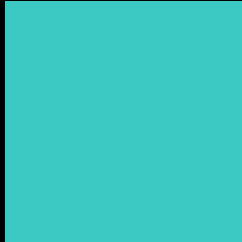
Large Text (above 18pt) WCAG AA × Fail

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 32.3681, 46.2093, 58.8431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

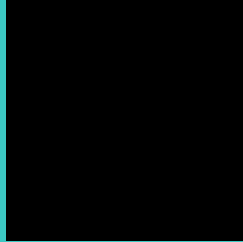
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

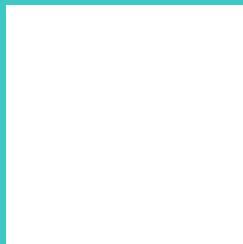
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.3681, 46.2093, 58.8431

Background



This preview shows how black text looks on a background with the XYZ color 32.3681, 46.2093, 58.8431.

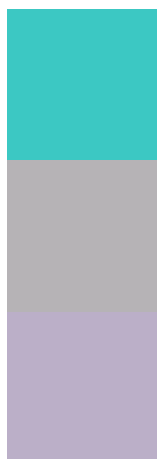


This preview shows how white text looks on a background with the XYZ color 32.3681, 46.2093,

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

32.3681, 46.2093, 58.8431

Protanopia

43.8550, 45.5627, 50.7390

Deuteranopia

46.2488, 45.3949, 60.9681



Tritanopia

34.5023, 46.0387, 70.0187

Trichromacy



Original Color

32.3681, 46.2093, 58.8431



Protanomaly

37.2212, 44.5318, 53.6474



Deuteranomaly

38.3180, 44.0209, 59.9034



Tritanomaly

33.5814, 46.0026, 65.5020

Monochromacy



Original Color

32.3681, 46.2093, 58.8431



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

30.3203, 36.9650, 44.0650

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3681, 46.2093, 58.8431 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(60, 200, 195)` looks like.

```
.text, #text, p{  
    color:rgb(60, 200, 195)  
}
```

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(60, 200, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 200, 195) }
```

Border

The CSS property to change the border of an element to XYZ 32.3681, 46.2093, 58.8431 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(60, 200, 195) }
```


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

```
.border{ border-color:rgb(60, 200, 195) }
```

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

Here you see how a box with a 4 pixel rgb(60, 200, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 200, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 200, 195);  
box-shadow:4px 4px 4px 4px rgb(60, 200,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3681, 46.2093, 58.8431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 200, 195) }
```

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

```
.background{ background-color: rgb(60, 200,  
195) }
```

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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