

Converting Colors

XYZ(30.2548, 46.6505, 52.8109)

Have a look what the booklet for
XYZ(30.2548, 46.6505, 52.8109)
contains.

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Color

**XYZ(30.2446, 46.6464,
52.7570)**

Conversions

Conversions Part 1

Format	Color
Hex	00CCB8
RGB	0, 204, 184
RGB Percent	0%, 80%, 72%
CMY	0.9998, 0.2000, 0.2784
CMYK	1.00, 0.00, 0.10, 0.20
HSL	174°, 100%, 40%
HSV	174°, 100%, 80%
XYZ	30.2446, 46.6464, 52.7570
YIQ	140.7240, -115.1640, -49.4680

Conversions

Conversions Part 2

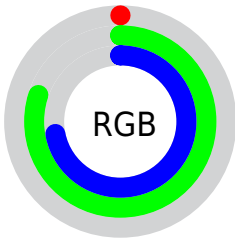
Format	Color
RYB	0, 107, 204
Decimal	52408
CIELab	73.96, -46.42, -1.98
CIELCh	74, 46.459, 182.439
Yxy	46.6464, 0.2333, 0.3598
Android (android.graphics.Color)	4278242488 (0xFF00CCB8)
YUV	140.7240, 21.3351, -123.4149
Hunter-Lab	68.2982, -40.4763, 2.0101

Details

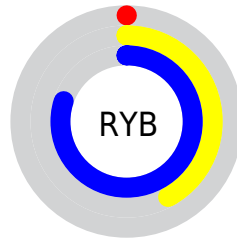
The XYZ color **30.2446, 46.6464, 52.7570** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **25.0297, 12.8893, 1.8323**, and the grayscale version is **25.1659, 26.4764, 28.8328**.

A 20% lighter version of the original color is **57.1971, 80.7543, 95.0106**, and **14.8442, 23.1336, 25.1556** is the 20% darker color. If you saturate the color by 10%, you get **30.2451, 46.6478, 52.7560**, and if you desaturate by 10%, it is **30.7542, 46.8858, 53.8845**.

Distribution



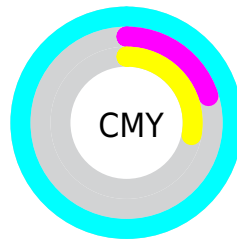
- Red (0%)
- Green (80%)
- Blue (72%)



- Red (0%)
- Yellow (42%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.2446, 46.6464, 52.7570 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 30.2446, 46.6464, 52.7570 by changing the saturation by 10% instead.


 30.2446, 46.6464,
52.7570


 30.2446, 46.6464,
52.7570


294.9323,
373.4013, 414.3919


 20.1733, 32.7562,
37.2224


 59.4328, 85.1856,
95.6846


 12.6301, 21.9398,
25.0826


 79.2803, 110.6033,
123.9147


 7.2496, 13.8126,
15.9190


 103.1174,
140.6324, 157.2138

 3.6664, 7.9905,
9.3131

 131.3093,
175.6572, 196.0003

 1.5152, 4.0888,
4.8464

 164.2214,
216.0621, 240.6929

 0.3361, 1.7234,
2.1003

202.2190,

 0.0000, 0.4387,

262.2315, 291.7100

0.6159

245.6676,
314.5498, 349.4701

■ 0.0000, 0.0000,
0.0000

■ 30.2446, 46.6464,
52.7570

■ 30.2446, 46.6464,
52.7570

■ 30.2451, 46.6478,
52.7560

■ 30.7542, 46.8858,
53.8845

■ 31.5790, 47.2862,
55.0412

■ 32.8274, 47.9047,
56.2333

■ 34.5568, 48.7708,
57.4637

■ 36.8157, 49.9095,
58.7345

■ 39.6464, 51.3427,
60.0479

■ 43.0873, 53.0900,
61.4057

■ 47.1732, 55.1695,
62.8096

■ 51.9363, 57.5978,
64.2612

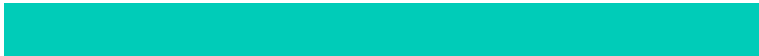
Harmonies

Analogous

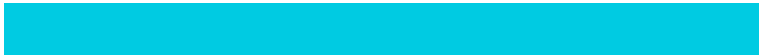
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.6562, 46.6464, 32.4648



30.2446, 46.6464, 52.7570



32.2010, 46.6464, 79.4142

Triad

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



30.2446, 46.6464, 52.7570



53.4450, 46.6464, 99.8640



52.1256, 46.6464, 20.1232

Complementary

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



30.2446, 46.6464, 52.7570



25.0297, 12.8893, 1.8323

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.



59.1908, 46.6464, 30.0321



30.2446, 46.6464, 52.7570



60.0168, 46.6464, 74.9682

Square

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



30.2446, 46.6464, 52.7570



45.0176, 46.6464, 111.3930



62.2389, 46.6464, 48.8725



43.6613, 46.6464, 17.4769

Rectangle

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



30.2446, 46.6464, 52.7570



35.3138, 46.6464, 96.2373



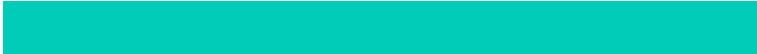
62.2389, 46.6464, 48.8725



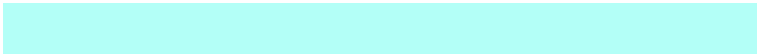
54.7772, 46.6464, 22.5223

Sweetspot

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



30.2460, 46.6482, 52.7581



71.1005, 87.7904, 101.5971



21.8912, 43.3406, 7.2129



14.6742, 18.5142, 21.5387



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.



30.2460, 46.6482, 52.7581



50.0421, 77.2328, 87.1283



17.9108, 18.3818, 59.7327



11.4940, 12.7073, 14.1588



19.0553, 29.3674, 33.3060



0.9971, 1.5207, 1.7924

Inverse Universe

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



25.0297, 12.8893, 1.8323



41.4155, 21.3302, 2.8544



27.8919, 18.8159, 2.1629



11.2563, 11.2312, 11.8842



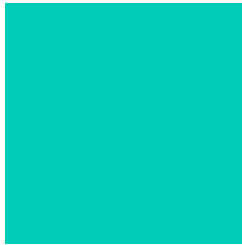
15.7690, 8.1182, 1.2361



0.8291, 0.4251, 0.1461

Previews

White Background



This preview shows how the XYZ color 30.2446, 46.6464, 52.7570 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 30.2446, 46.6464, 52.7570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

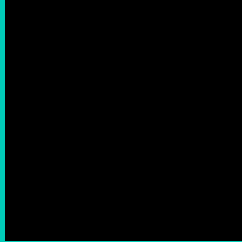
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

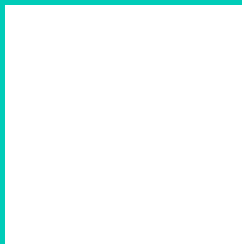
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.2446, 46.6464, 52.7570

Background



This preview shows how black text looks on a background with the XYZ color 30.2446, 46.6464, 52.7570.

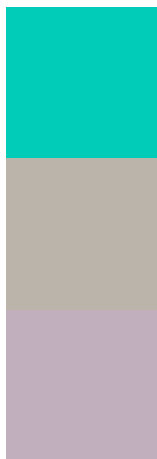


This preview shows how white text looks on a background with the XYZ color 30.2446, 46.6464,

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

30.2446, 46.6464, 52.7570

Protanopia

43.8267, 45.9839, 44.5961

Deuteranopia

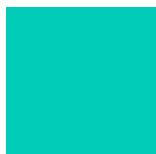
46.6166, 45.7151, 55.0821



Tritanopia

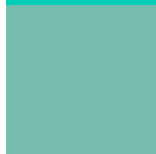
34.2343, 46.5348, 72.1435

Trichromacy



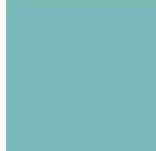
Original Color

30.2446, 46.6464, 52.7570



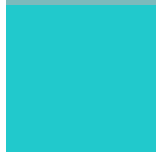
Protanomaly

33.4067, 43.3419, 47.1625



Deuteranomaly

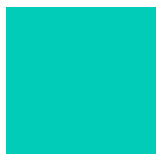
34.8044, 42.9596, 54.0346



Tritanomaly

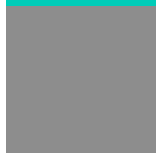
32.4129, 46.4563, 64.3854

Monochromacy



Original Color

30.2446, 46.6464, 52.7570



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

23.5777, 31.1589, 36.6699

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2446, 46.6464, 52.7570 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(0, 204, 184)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 184)  
}
```

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(0, 204, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 184) }
```

Border

The CSS property to change the border of an element to XYZ 30.2446, 46.6464, 52.7570 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(0, 204, 184) }
```


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

```
.border{ border-color:rgb(0, 204, 184) }
```

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

Here you see how a box with a 4 pixel rgb(0, 204, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 184);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2446, 46.6464, 52.7570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 184) }
```

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

```
.background{ background-color: rgb(0, 204,  
184) }
```

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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