

Converting Colors

XYZ(23.8772, 34.0788, 50.1192)

Have a look what the booklet for
XYZ(23.8772, 34.0788, 50.1192)
contains.

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Color

**XYZ(23.8772, 34.0788,
50.1192)**

Conversions

Conversions Part 1

Format	Color
Hex	00AFB7
RGB	0, 175, 183
RGB Percent	0%, 69%, 72%
CMY	0.9999, 0.3137, 0.2823
CMYK	1.00, 0.04, 0.00, 0.28
HSL	183°, 100%, 36%
HSV	183°, 100%, 72%
XYZ	23.8772, 34.0788, 50.1192
YIQ	123.5870, -106.8680, -34.6120

Conversions

Conversions Part 2

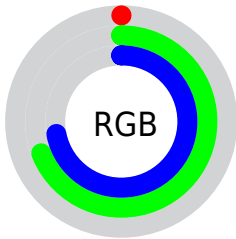
Format	Color
RYB	0, 89, 183
Decimal	44983
CIELab	65.03, -33.76, -14.72
CIELCh	65, 36.828, 203.567
Yxy	34.0788, 0.2209, 0.3153
Android (android.graphics.Color)	4278235063 (0xFF00AFB7)
YUV	123.5870, 29.2906, -108.3858
Hunter-Lab	58.3771, -29.1503, -10.0391

Details

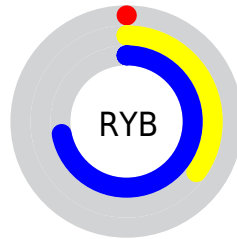
The XYZ color **23.8772, 34.0788, 50.1192** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **19.6161, 10.2419, 0.9440**, and the grayscale version is **18.9561, 19.9433, 21.7183**.

A 20% lighter version of the original color is **49.3015, 66.0365, 91.8092**, and **10.9888, 15.5308, 23.5377** is the 20% darker color. If you saturate the color by 10%, you get **23.8775, 34.0792, 50.1199**, and if you desaturate by 10%, it is **24.2898, 34.5240, 50.1840**.

Distribution



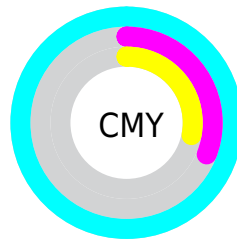
- Red (0%)
- Green (69%)
- Blue (72%)



- Red (0%)
- Yellow (35%)
- Blue (72%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (28%)



- Cyan (100%)
- Magenta (31%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8772, 34.0788, 50.1192 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 23.8772, 34.0788, 50.1192 by changing the saturation by 10% instead.

■ 23.8772, 34.0788,
50.1192

■ 23.8772, 34.0788,
50.1192

264.6511,
320.4833, 403.8803

■ 15.3668, 22.9541,
35.1363

■ 49.2859, 66.0562,
91.7496

■ 9.1652, 14.5596,
23.4835

■ 66.9148, 87.6777,
119.2341

■ 4.9071, 8.5109,
14.7423

■ 88.3141, 113.5670,
151.7230

■ 2.2270, 4.4236,
8.4941

■ 113.8489,
144.1084, 189.6346

■ 0.7569, 1.9132,
4.3204

■ 143.8846,
179.6863, 233.3876

■ 0.0000, 0.5563,
1.8027

178.7866,

■ 0.0000, 0.0000,

220.6852, 283.4006

0.4298

218.9203,
267.4894, 340.0920

■ 0.0000, 0.0000,
0.0000

■ 23.8772, 34.0788,
50.1192

■ 23.8772, 34.0788,
50.1192

■ 23.8775, 34.0792,
50.1199

■ 24.2898, 34.5240,
50.1840

■ 24.9411, 35.0930,
50.2595

■ 25.9212, 35.8329,
50.3507

■ 27.2737, 36.7661,
50.4595

■ 29.0355, 37.9117,
50.5878

■ 31.2389, 39.2864,
50.7370

■ 33.9133, 40.9052,
50.9085

■ 37.0851, 42.7818,
51.1036

■ 40.7793, 44.9291,
51.3233

Harmonies

Analogous

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



23.2382, 34.0788, 33.9140



23.8772, 34.0788, 50.1192



26.6785, 34.0788, 66.0783

Triad

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



23.8772, 34.0788, 50.1192



41.3542, 34.0788, 57.4055



33.5526, 34.0788, 14.9168

Complementary

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



23.8772, 34.0788, 50.1192



19.6161, 10.2419, 0.9440

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.



38.8654, 34.0788, 18.1493



23.8772, 34.0788, 50.1192



43.6774, 34.0788, 40.4923

Square

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



23.8772, 34.0788, 50.1192



36.6629, 34.0788, 71.0280



42.7202, 34.0788, 26.5662



28.4643, 34.0788, 16.1836

Rectangle

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



23.8772, 34.0788, 50.1192



29.5776, 34.0788, 72.9706



42.7202, 34.0788, 26.5662



35.3771, 34.0788, 15.4760

Sweetspot

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



23.8783, 34.0800, 50.1200



60.4690, 73.0990, 91.1582



16.9678, 33.8812, 5.8216



12.8920, 15.8662, 20.1046



88.6918, 93.3107, 101.6153



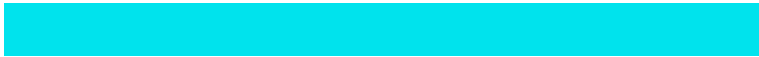
17.8044, 18.7317, 20.3988

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.8783, 34.0800, 50.1200



42.7176, 60.9423, 89.7473



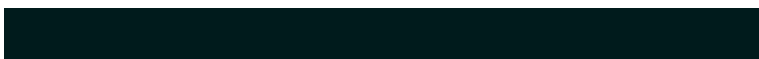
11.8295, 9.9825, 46.1038



9.2321, 10.1415, 11.5504



16.6706, 23.8008, 34.9685



0.5981, 0.8599, 1.2362

Inverse Universe

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



27.2672, 13.1635, 41.6623



48.8102, 23.5644, 74.4914



23.8609, 18.7315, 2.3590



9.3635, 9.1558, 11.2617



19.0282, 9.1850, 29.0991



0.6761, 0.3259, 1.0535

Previews

White Background



This preview shows how the XYZ color 23.8772, 34.0788, 50.1192 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 23.8772, 34.0788, 50.1192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

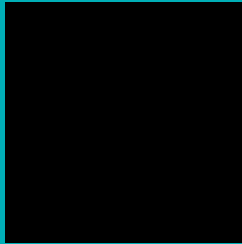
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

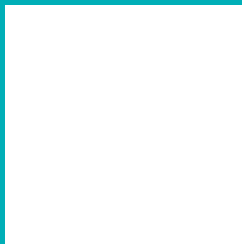
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.8772, 34.0788, 50.1192

Background



This preview shows how black text looks on a background with the XYZ color 23.8772, 34.0788, 50.1192.



This preview shows how white text looks on a background with the XYZ color 23.8772, 34.0788,

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

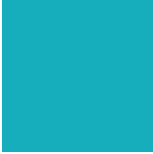
23.8772, 34.0788, 50.1192

Protanopia

32.7567, 33.6858, 43.3036

Deuteranopia

34.3730, 33.5814, 52.2472



Tritanopia

24.5440, 34.0735, 52.8602

Trichromacy



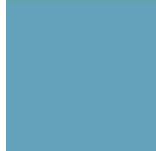
Original Color

23.8772, 34.0788, 50.1192



Protanomaly

25.9806, 31.9422, 45.3536



Deuteranomaly

26.8633, 31.7442, 51.1658



Tritanomaly

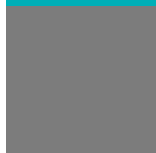
24.1801, 33.9106, 51.7254

Monochromacy



Original Color

23.8772, 34.0788, 50.1192



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

18.1577, 23.3515, 30.3383

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8772, 34.0788, 50.1192 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, 175, 183)` looks like.

```
.text, #text, p{  
    color:rgb(0, 175, 183)  
}
```

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, 175, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 175, 183) }
```

Border

The CSS property to change the border of an element to XYZ 23.8772, 34.0788, 50.1192 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, 175, 183) }
```


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

```
.border{ border-color:rgb(0, 175, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 175, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 175, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 175, 183);  
box-shadow:4px 4px 4px 4px rgb(0, 175,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8772, 34.0788, 50.1192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 175, 183) }
```

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

```
.background{ background-color: rgb(0, 175,  
183) }
```

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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