

Converting Colors

XYZ(24.6154, 35.9738, 49.0746)

Have a look what the booklet for
XYZ(24.6154, 35.9738, 49.0746)
contains.

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Color

**XYZ(24.5595, 35.9378,
48.8223)**

Conversions

Conversions Part 1

Format	Color
Hex	00B4B4
RGB	0, 180, 180
RGB Percent	0%, 71%, 71%
CMY	0.9999, 0.2941, 0.2941
CMYK	1.00, 0.00, 0.00, 0.29
HSL	180°, 100%, 35%
HSV	180°, 100%, 71%
XYZ	24.5595, 35.9378, 48.8223
YIQ	126.1800, -107.2800, -38.1600

Conversions

Conversions Part 2

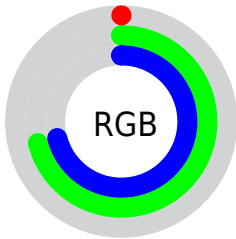
Format	Color
RYB	0, 90, 180
Decimal	46260
CIELab	66.47, -37.02, -10.89
CIELCh	66, 38.585, 196.386
Yxy	35.9378, 0.2247, 0.3287
Android (android.graphics.Color)	4278236340 (0xFF00B4B4)
YUV	126.1800, 26.5333, -110.6599
Hunter-Lab	59.9481, -31.7815, -6.3226

Details

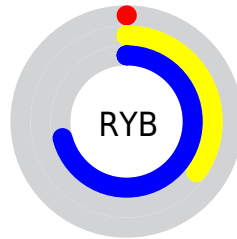
The XYZ color **24.5595, 35.9378, 48.8223** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **18.8236, 9.7045, 0.8821**, and the grayscale version is **19.8353, 20.8683, 22.7256**.

A 20% lighter version of the original color is **50.2814, 68.6997, 89.9671**, and **11.2916, 16.4540, 22.6595** is the 20% darker color. If you saturate the color by 10%, you get **24.5601, 35.9389, 48.8231**, and if you desaturate by 10%, it is **24.8103, 36.0679, 48.8349**.

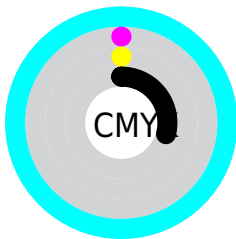
Distribution



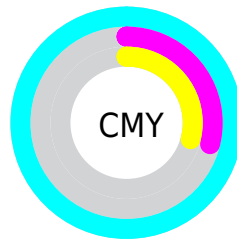
- Red (0%)
- Green (71%)
- Blue (71%)



- Red (0%)
- Yellow (35%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (0%)
- Black (29%)



- Cyan (100%)
- Magenta (29%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.5595, 35.9378, 48.8223 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 24.5595, 35.9378, 48.8223 by changing the saturation by 10% instead.

24.5595, 35.9378,
48.8223

24.5595, 35.9378,
48.8223

268.0253,
328.6886, 398.6447

15.8762, 24.3862,
34.1139

50.3898, 68.9361,
89.8057

9.5268, 15.6203,
22.7031

68.2674, 91.1515,
116.9179

5.1462, 9.2559,
14.1712

89.9405, 117.6902,
149.0017

2.3690, 4.9085,
8.0997

115.7744,
148.9368, 186.4757

0.8296, 2.1937,
4.0701

146.1345,
185.2755, 229.7585

0.0000, 0.7165,
1.6639

181.3861,

0.0000, 0.0000,

227.0908, 279.2685

0.3358

221.8946,
274.7670, 335.4244

■ 0.0000, 0.0000,
0.0000

■ 24.5595, 35.9378,
48.8223

■ 24.5595, 35.9378,
48.8223

■ 24.5601, 35.9389,
48.8231

■ 24.8103, 36.0679,
48.8349

■ 25.2890, 36.3147,
48.8574

■ 26.0835, 36.7242,
48.8946

■ 27.2355, 37.3181,
48.9486

■ 28.7804, 38.1145,
49.0210

■ 30.7493, 39.1295,
49.1132

■ 33.1702, 40.3775,
49.2266

■ 36.0687, 41.8718,
49.3623

■ 39.4686, 43.6245,
49.5215

Harmonies

Analogous

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



24.4479, 35.9378, 32.1011



24.5595, 35.9378, 48.8223



27.0455, 35.9378, 67.0210

Triad

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



24.5595, 35.9378, 48.8223



42.8602, 35.9378, 65.4728



36.8432, 35.9378, 15.6177

Complementary

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



24.5595, 35.9378, 48.8223



18.8236, 9.7045, 0.8821

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.



42.4189, 35.9378, 20.3015



24.5595, 35.9378, 48.8223



46.1485, 35.9378, 47.1170

Square

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



24.5595, 35.9378, 48.8223



37.3927, 35.9378, 78.3373



45.9785, 35.9378, 30.8139



31.1150, 35.9378, 15.8350

Rectangle

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



24.5595, 35.9378, 48.8223



29.8933, 35.9378, 76.1760



45.9785, 35.9378, 30.8139



38.8097, 35.9378, 16.5983

Sweetspot

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



24.5606, 35.9391, 48.8232



59.8868, 73.0788, 89.2435



16.3600, 32.6632, 5.4434



12.5321, 15.5828, 19.2694



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



24.5606, 35.9391, 48.8232



44.5313, 65.1628, 88.5240



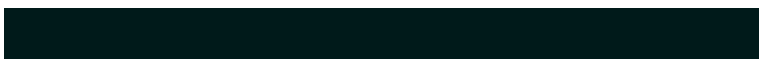
12.1550, 11.1277, 44.6886



8.7427, 9.6316, 10.9046



17.1409, 25.0823, 34.0745



0.5393, 0.7892, 1.0721

Inverse Universe

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



18.8236, 9.7045, 0.8821



34.1290, 17.5942, 1.5973



22.2330, 16.5234, 2.0186



8.4964, 8.5053, 8.8464



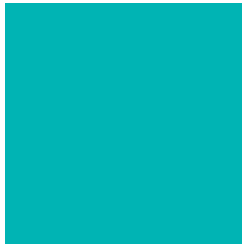
13.1369, 6.7723, 0.6148



0.4133, 0.2131, 0.0193

Previews

White Background



This preview shows how the XYZ color 24.5595, 35.9378, 48.8223 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 24.5595, 35.9378, 48.8223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

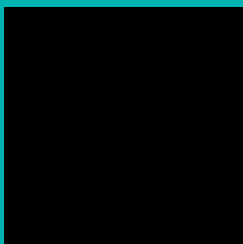
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

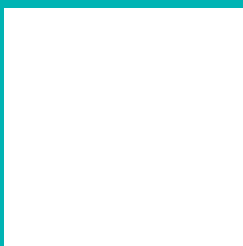
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.5595, 35.9378, 48.8223

Background



This preview shows how black text looks on a background with the XYZ color 24.5595, 35.9378, 48.8223.

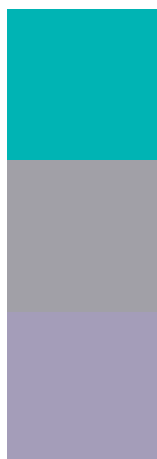


This preview shows how white text looks on a background with the XYZ color 24.5595, 35.9378,

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

24.5595, 35.9378, 48.8223

Protanopia

34.2438, 35.5087, 41.6082

Deuteranopia

36.1238, 35.5092, 50.8490



Tritanopia

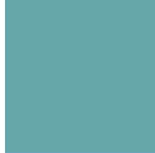
26.1732, 36.0144, 56.0241

Trichromacy



Original Color

24.5595, 35.9378, 48.8223



Protanomaly

26.7446, 33.4408, 44.0749



Deuteranomaly

27.7113, 33.2722, 49.7614



Tritanomaly

25.5065, 36.0305, 53.1872

Monochromacy



Original Color

24.5595, 35.9378, 48.8223



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

18.7755, 24.3386, 30.9024

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5595, 35.9378, 48.8223 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, 180, 180)` looks like.

```
.text, #text, p{  
    color:rgb(0, 180, 180)  
}
```

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, 180, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 180, 180) }
```

Border

The CSS property to change the border of an element to XYZ 24.5595, 35.9378, 48.8223 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, 180, 180) }
```


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

```
.border{ border-color:rgb(0, 180, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 180, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 180, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 180, 180);  
box-shadow:4px 4px 4px 4px rgb(0, 180,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5595, 35.9378, 48.8223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 180, 180) }
```

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

```
.background{ background-color: rgb(0, 180,  
180) }
```

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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