

Converting Colors

XYZ(24.0659, 34.6581, 35.4700)

Have a look what the booklet for
XYZ(24.0659, 34.6581, 35.4700)
contains.

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Color

**XYZ(24.1768, 34.8464,
35.5888)**

Conversions

Conversions Part 1

Format	Color
Hex	4BB099
RGB	75, 176, 153
RGB Percent	29%, 69%, 60%
CMY	0.7059, 0.3098, 0.4000
CMYK	0.57, 0.00, 0.13, 0.31
HSL	166°, 40%, 49%
HSV	166°, 57%, 69%
XYZ	24.1768, 34.8464, 35.5888
YIQ	143.1790, -52.8130, -28.5650

Conversions

Conversions Part 2

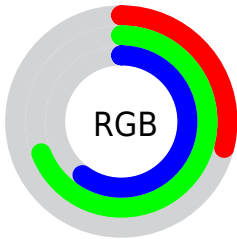
Format	Color
RYB	75, 132, 176
Decimal	4960409
CIELab	65.63, -35.05, 2.97
CIElCh	66, 35.171, 175.153
Yxy	34.8464, 0.2555, 0.3683
Android (android.graphics.Color)	4283150489 (0xFF4BB099)
YUV	143.1790, 4.8418, -59.7930
Hunter-Lab	59.0308, -30.1971, 5.5765

Details

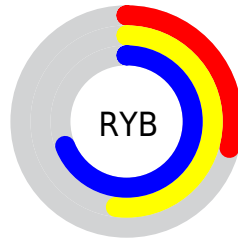
The XYZ color **24.1768, 34.8464, 35.5888** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **22.6264, 15.1452, 13.2875**, and the grayscale version is **26.1772, 27.5405, 29.9916**.

A 20% lighter version of the original color is **49.6348, 67.1238, 69.3716**, and **9.4812, 15.1252, 14.9901** is the 20% darker color. If you saturate the color by 10%, you get **22.6606, 34.1033, 33.8192**, and if you desaturate by 10%, it is **26.0868, 35.7930, 37.4365**.

Distribution



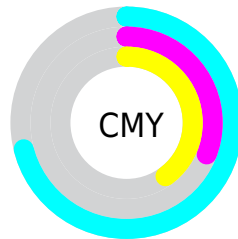
- Red (29%)
- Green (69%)
- Blue (60%)



- Red (29%)
- Yellow (52%)
- Blue (69%)



- Cyan (57%)
- Magenta (0%)
- Yellow (13%)
- Black (31%)





- Cyan (71%)
- Magenta (31%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.1768, 34.8464, 35.5888 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 24.1768, 34.8464, 35.5888 by changing the saturation by 10% instead.


 24.1768, 34.8464,
35.5888


 24.1768, 34.8464,
35.5888


266.1370,
323.8898, 342.1426


 15.5903, 23.5446,
23.8296


 49.7711, 67.2477,
69.5588


 9.3237, 14.9961,
14.9962


 67.5097, 89.1161,
92.6067

 5.0117, 8.8167,
8.6702


 89.0295, 115.2753,
120.2546

 2.2890, 4.6218,
4.4328

 114.6962,
146.1100, 152.9210

 0.7890, 2.0271,
1.8657

 144.8749,
182.0043, 191.0244

 0.0000, 0.6232,
0.4707

179.9310,

 0.0000, 0.0000,

223.3428, 234.9835

0.0000

220.2299,
270.5099, 285.2167

■ 24.1768, 34.8464,
35.5888

■ 24.1768, 34.8464,
35.5888

■ 22.6606, 34.1033,
33.8192

■ 26.0868, 35.7930,
37.4365

■ 21.5030, 33.5428,
32.1230

■ 28.4165, 36.9538,
39.3616

■ 20.6672, 33.1471,
30.4989

■ 31.1927, 38.3435,
41.3669

■ 20.0966, 32.8867,
28.9436

■ 34.4392, 39.9743,
43.4538

■ 19.9641, 32.8271,
28.5468

■ 38.1783, 41.8577,
45.6241

■ 42.4307, 44.0044,
47.8791

■ 47.2157, 46.4243,
50.2203

■ 52.5519, 49.1269,
52.6491

■ 58.4568, 52.1214,
55.1669

Harmonies

Analogous

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



25.6197, 34.8464, 23.8991



24.1768, 34.8464, 35.5888



24.9190, 34.8464, 51.3617

Triad

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



24.1768, 34.8464, 35.5888



37.5239, 34.8464, 69.9529



39.1259, 34.8464, 19.0578

Complementary

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



24.1768, 34.8464, 35.5888



22.6264, 15.1452, 13.2875

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.



42.9488, 34.8464, 27.0903



24.1768, 34.8464, 35.5888



41.9586, 34.8464, 56.6261

Square

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



24.1768, 34.8464, 35.5888



32.2883, 34.8464, 73.9286



44.0356, 34.8464, 40.3963



33.9668, 34.8464, 16.0704

Rectangle

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



24.1768, 34.8464, 35.5888



26.5983, 34.8464, 61.8934



44.0356, 34.8464, 40.3963



40.6301, 34.8464, 21.1366

Sweetspot

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



24.1778, 34.8478, 35.5896



62.5143, 72.5254, 78.8417



21.8949, 34.1884, 12.1025



13.2845, 15.5850, 16.9242



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



24.1778, 34.8478, 35.5896



40.4414, 61.5306, 60.4527



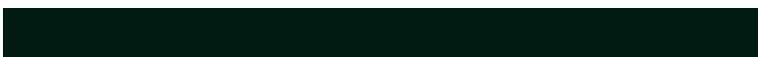
21.4973, 26.1478, 44.9898



8.6582, 9.5978, 10.4597



14.6705, 24.0942, 21.0655



0.4820, 0.7663, 0.7701

Inverse Universe

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



22.6264, 15.1452, 13.2875



37.4002, 22.3313, 16.3067



23.9205, 19.2289, 9.1082



8.5730, 8.5359, 9.2499



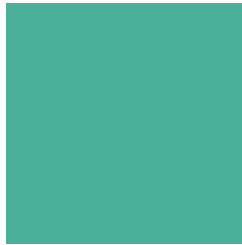
13.4379, 6.8927, 2.2002



0.4452, 0.2258, 0.1869

Previews

White Background



This preview shows how the XYZ color 24.1768, 34.8464, 35.5888 looks on a white background.

Color Contrast Check

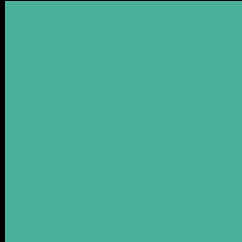
Large Text (above 18pt) WCAG AA × Fail

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 24.1768, 34.8464, 35.5888 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 24.1768, 34.8464, 35.5888

Background



This preview shows how black text looks on a background with the XYZ color 24.1768, 34.8464, 35.5888.

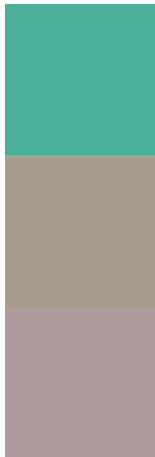


This preview shows how white text looks on a background with the XYZ color 24.1768, 34.8464,

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

24.1768, 34.8464, 35.5888

Protanopia

32.7018, 34.4362, 30.9099

Deuteranopia

35.0183, 34.2498, 37.1130



Tritanopia

27.1576, 34.6070, 51.1474

Trichromacy



Original Color

24.1768, 34.8464, 35.5888

Protanomaly

28.2373, 33.9224, 32.6632

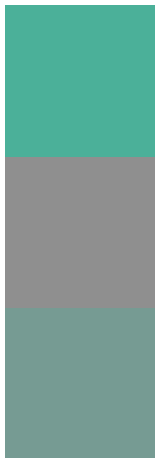
Deuteranomaly

29.2269, 33.2933, 36.3383

Tritanomaly

25.9661, 34.6981, 44.8640

Monochromacy



Original Color

24.1768, 34.8464, 35.5888

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

24.4590, 29.4008, 31.9896

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1768, 34.8464, 35.5888 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(75, 176, 153)` looks like.

```
.text, #text, p{  
    color:rgb(75, 176, 153)  
}
```

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(75, 176, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 176, 153) }
```

Border

The CSS property to change the border of an element to XYZ 24.1768, 34.8464, 35.5888 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(75, 176, 153) }
```


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

```
.border{ border-color:rgb(75, 176, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 176, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 176, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 176, 153);  
box-shadow:4px 4px 4px 4px rgb(75, 176,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1768, 34.8464, 35.5888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 176, 153) }
```

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

```
.background{ background-color: rgb(75, 176,  
153) }
```

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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