

Converting Colors

XYZ(24.7999, 34.8565, 46.9963)

Have a look what the booklet for
XYZ(24.7999, 34.8565, 46.9963)
contains.

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Color

**XYZ(24.8264, 34.9288,
47.0284)**

Conversions

Conversions Part 1

Format	Color
Hex	33B0B1
RGB	51, 176, 177
RGB Percent	20%, 69%, 69%
CMY	0.8000, 0.3098, 0.3059
CMYK	0.71, 0.01, 0.00, 0.31
HSL	180°, 55%, 45%
HSV	180°, 71%, 69%
XYZ	24.8264, 34.9288, 47.0284
YIQ	138.7390, -74.8210, -26.1890

Conversions

Conversions Part 2

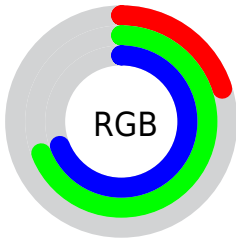
Format	Color
RYB	51, 114, 177
Decimal	3387569
CIELab	65.69, -32.51, -10.33
CIELCh	66, 34.112, 197.628
Yxy	34.9288, 0.2325, 0.3271
Android (android.graphics.Color)	4281577649 (0xFF33B0B1)
YUV	138.7390, 18.8627, -76.9471
Hunter-Lab	59.1006, -28.4435, -5.8087

Details

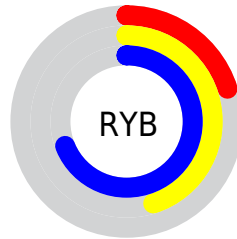
The XYZ color **24.8264, 34.9288, 47.0284** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **19.9578, 12.0430, 4.4056**, and the grayscale version is **24.3921, 25.6624, 27.9463**.

A 20% lighter version of the original color is **50.9007, 67.3783, 87.4134**, and **10.7846, 15.6466, 21.8537** is the 20% darker color. If you saturate the color by 10%, you get **24.0714, 34.4995, 46.9860**, and if you desaturate by 10%, it is **25.9229, 35.5357, 47.0884**.

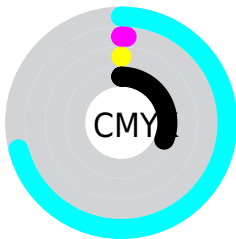
Distribution



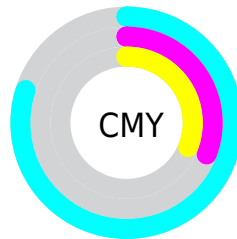
- Red (20%)
- Green (69%)
- Blue (69%)



- Red (20%)
- Yellow (45%)
- Blue (69%)



- Cyan (71%)
- Magenta (1%)
- Yellow (0%)
- Black (31%)





- Cyan (80%)
- Magenta (31%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.8264, 34.9288, 47.0284 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 24.8264, 34.9288, 47.0284 by changing the saturation by 10% instead.


 24.8264, 34.9288,
47.0284


 24.8264, 34.9288,
47.0284


269.3359,
324.2539, 391.3249


 16.0758, 23.6080,
32.7036


 50.8204, 67.3755,
87.1064


 9.6690, 15.0431,
21.6302


 68.7945, 89.2701,
113.6968

 5.2406, 8.8497,
13.3897


 90.5738, 115.4582,
145.2127

 2.4253, 4.6432,
7.5636

 116.5236,
146.3242, 182.0727

 0.8578, 2.0395,
3.7333

 147.0094,
182.2523, 224.6954

 0.0000, 0.6303,
1.4802

182.3965,

 0.0000, 0.0000,

223.6270, 273.4993

0.2031

223.0502,
270.8328, 328.9030

■ 0.0000, 0.0000,
0.0000

■ 24.8264, 34.9288,
47.0284

■ 24.8264, 34.9288,
47.0284

■ 24.0714, 34.4995,
46.9860

■ 25.9229, 35.5357,
47.0884

■ 23.6139, 34.2229,
46.9567

■ 27.3924, 36.3341,
47.1651

■ 23.3826, 34.0678,
46.9389

■ 29.2660, 37.3410,
47.2606

■ 31.5711, 38.5702,
47.3764

■ 34.3324, 40.0348,
47.5136

■ 37.5728, 41.7464,
47.6731

■ 41.3139, 43.7161,
47.8562

■ 45.5756, 45.9542,
48.0635

■ 50.3771, 48.4706,
48.2962

Harmonies

Analogous

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



24.6382, 34.9288, 32.4132



24.8264, 34.9288, 47.0284



27.1117, 34.9288, 62.3161

Triad

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



24.8264, 34.9288, 47.0284



40.8491, 34.9288, 59.8585



35.3091, 34.9288, 16.9226

Complementary

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



24.8264, 34.9288, 47.0284



19.9578, 12.0430, 4.4056

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.



40.1348, 34.9288, 21.0521



24.8264, 34.9288, 47.0284



43.5429, 34.9288, 44.2642

Square

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



24.8264, 34.9288, 47.0284



36.2072, 34.9288, 70.9118



43.2690, 34.9288, 30.2621



30.3618, 34.9288, 17.3078

Rectangle

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



24.8264, 34.9288, 47.0284



29.6603, 34.9288, 69.7335



43.2690, 34.9288, 30.2621



37.0081, 34.9288, 17.7747

Sweetspot

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



24.8275, 34.9301, 47.0292



61.3924, 71.6498, 85.0894



17.6858, 32.3879, 8.4523



13.0001, 15.3663, 18.4252



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.



24.8275, 34.9301, 47.0292



42.6173, 61.4939, 84.1187



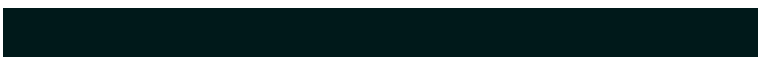
15.3195, 15.9141, 43.8599



8.7368, 9.6198, 10.9027



16.9435, 24.6874, 34.0091



0.5349, 0.7804, 1.0707

Inverse Universe

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



27.1527, 14.8503, 42.5110



47.0543, 23.5078, 75.4227



24.7473, 21.6221, 6.0021



8.8471, 8.6456, 10.6932



18.7870, 9.0323, 30.3678



0.5920, 0.2846, 0.9604

Previews

White Background



This preview shows how the XYZ color 24.8264, 34.9288, 47.0284 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 24.8264, 34.9288, 47.0284 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

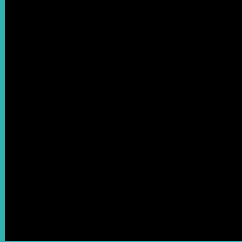
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.8264, 34.9288, 47.0284

Background



This preview shows how black text looks on a background with the XYZ color 24.8264, 34.9288, 47.0284.

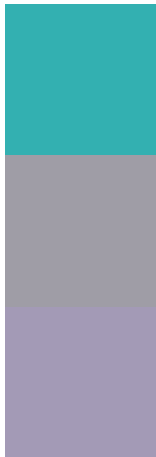


This preview shows how white text looks on a background with the XYZ color 24.8264, 34.9288,

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

24.8264, 34.9288, 47.0284

Protanopia

33.2380, 34.2380, 40.9332

Deuteranopia

35.1034, 34.2751, 49.0216



Tritanopia

25.9581, 34.8025, 52.9264

Trichromacy



Original Color

24.8264, 34.9288, 47.0284

Protanomaly

28.2769, 33.4463, 42.9956

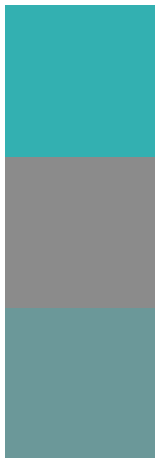
Deuteranomaly

29.1846, 33.2735, 48.0643

Tritanomaly

25.5572, 34.9329, 50.7431

Monochromacy



Original Color

24.8264, 34.9288, 47.0284

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

23.0414, 27.8822, 34.3044

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8264, 34.9288, 47.0284 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(51, 176, 177)` looks like.

```
.text, #text, p{  
    color:rgb(51, 176, 177)  
}
```

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(51, 176, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 176, 177) }
```

Border

The CSS property to change the border of an element to XYZ 24.8264, 34.9288, 47.0284 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(51, 176, 177) }
```


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

```
.border{ border-color:rgb(51, 176, 177) }
```

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

Here you see how a box with a 4 pixel rgb(51, 176, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 176, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 176, 177);  
box-shadow:4px 4px 4px 4px rgb(51, 176,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8264, 34.9288, 47.0284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 176, 177) }
```

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

```
.background{ background-color: rgb(51, 176,  
177) }
```

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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