

Converting Colors

XYZ(11.8573, 28.0512, 51.9773)

Have a look what the booklet for
XYZ(11.8573, 28.0512, 51.9773)
contains.

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Color

**XYZ(24.4950, 34.6385,
52.4086)**

Conversions

Conversions Part 1

Format	Color
Hex	00B0BB
RGB	0, 176, 187
RGB Percent	0%, 69%, 73%
CMY	0.9998, 0.3098, 0.2667
CMYK	1.00, 0.06, 0.00, 0.27
HSL	184°, 100%, 37%
HSV	184°, 100%, 73%
XYZ	24.4950, 34.6385, 52.4086
YIQ	124.6300, -108.4270, -33.8910

Conversions

Conversions Part 2

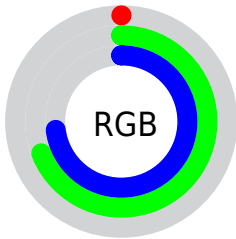
Format	Color
RYB	0, 91, 187
Decimal	45243
CIELab	65.47, -32.96, -16.28
CIELCh	65, 36.762, 206.286
Yxy	34.6385, 0.2196, 0.3105
Android (android.graphics.Color)	4278235323 (0xFF00B0BB)
YUV	124.6300, 30.7484, -109.3005
Hunter-Lab	58.8545, -28.7044, -11.5983

Details

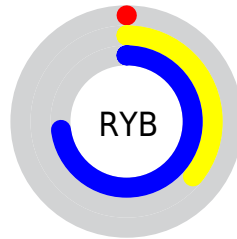
The XYZ color **24.4950, 34.6385, 52.4086** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **20.6142, 10.8053, 1.0003**, and the grayscale version is **19.2995, 20.3046, 22.1117**.

A 20% lighter version of the original color is **50.2898, 66.8936, 95.0552**, and **11.3860, 15.8871, 25.0207** is the 20% darker color. If you saturate the color by 10%, you get **24.4951, 34.6385, 52.4093**, and if you desaturate by 10%, it is **24.9757, 35.2086, 52.4940**.

Distribution



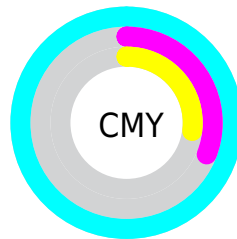
- Red (0%)
- Green (69%)
- Blue (73%)



- Red (0%)
- Yellow (36%)
- Blue (73%)



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (27%)



- Cyan (100%)
- Magenta (31%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4950, 34.6385, 52.4086 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 24.4950, 34.6385, 52.4086 by changing the saturation by 10% instead.

■ 24.4950, 34.6385,
52.4086

■ 24.4950, 34.6385,
52.4086

267.7078,
322.9698, 413.0138

■ 15.8279, 23.3845,
36.9464

■ 50.2856, 66.9254,
95.1663

■ 9.4926, 14.8777,
24.8705

■ 68.1398, 88.7271,
123.2988

■ 5.1235, 8.7336,
15.7625

■ 89.7872, 114.8135,
156.4918

■ 2.3554, 4.5678,
9.2037

■ 115.5930,
145.5690, 195.1640

■ 0.8228, 1.9960,
4.7757

■ 145.9226,
181.3779, 239.7337

■ 0.0000, 0.6051,
2.0598

181.1414,

■ 0.0000, 0.0000,

222.6248, 290.6195

0.5917

221.6147,
269.6940, 348.2400

■ 0.0000, 0.0000,
0.0000

■ 24.4950, 34.6385,
52.4086

■ 24.4950, 34.6385,
52.4086

■ 24.4951, 34.6385,
52.4093

■ 24.9757, 35.2086,
52.4940

■ 25.7094, 35.9109,
52.5909

■ 26.7895, 36.7944,
52.7045

■ 28.2618, 37.8828,
52.8369

■ 30.1654, 39.1961,
52.9901

■ 32.5345, 40.7521,
53.1656

■ 35.3999, 42.5664,
53.3648

■ 38.7896, 44.6538,
53.5890

■ 42.7299, 47.0276,
53.8395

Harmonies

Analogous

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



23.6449, 34.6385, 35.8297



24.4950, 34.6385, 52.4086



27.5107, 34.6385, 68.1003

Triad

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



24.4950, 34.6385, 52.4086



42.2947, 34.6385, 56.6554



33.5971, 34.6385, 15.2105

Complementary

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



24.4950, 34.6385, 52.4086



20.6142, 10.8053, 1.0003

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.



39.0020, 34.6385, 18.0562



24.4950, 34.6385, 52.4086



44.3567, 34.6385, 39.6662

Square

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



24.4950, 34.6385, 52.4086



37.7176, 34.6385, 70.9842



43.0911, 34.6385, 26.0624



28.5527, 34.6385, 16.9076

Rectangle

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



24.4950, 34.6385, 52.4086



30.5319, 34.6385, 74.4193



43.0911, 34.6385, 26.0624



35.4355, 34.6385, 15.6414

Sweetspot

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



24.4961, 34.6398, 52.4094



63.1175, 76.0588, 95.5556



17.8225, 35.5620, 6.1944



13.4005, 16.4357, 21.0087



90.7827, 95.5105, 104.0109



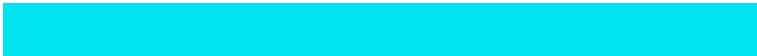
18.6292, 19.5994, 21.3438

Same Dimension

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



24.4961, 34.6398, 52.4094



43.8076, 61.9118, 93.8427



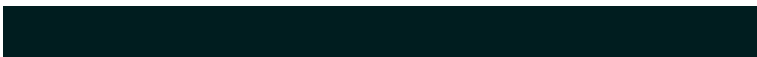
12.1541, 9.9558, 48.2954



9.7592, 10.7108, 12.2252



16.8958, 23.9034, 36.1162



0.6766, 0.9658, 1.4196

Inverse Universe

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



28.3310, 13.7005, 42.2268



50.7072, 24.5229, 75.4584



25.3313, 20.2396, 2.5727



9.9051, 9.6863, 11.8891



19.5290, 9.4428, 29.1430



0.7724, 0.3729, 1.1807

Previews

White Background



This preview shows how the XYZ color 24.4950, 34.6385, 52.4086 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 24.4950, 34.6385, 52.4086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

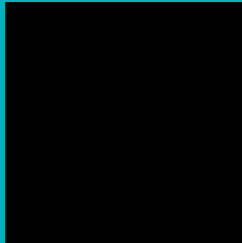
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

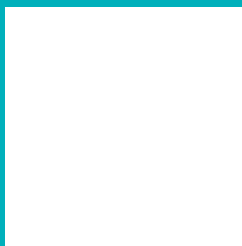
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.4950, 34.6385, 52.4086

Background



This preview shows how black text looks on a background with the XYZ color 24.4950, 34.6385, 52.4086.



This preview shows how white text looks on a background with the XYZ color 24.4950, 34.6385,

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

24.4950, 34.6385, 52.4086

Protanopia

33.5051, 34.2770, 45.4077

Deuteranopia

34.9461, 34.3164, 54.6510



Tritanopia

25.0508, 34.8875, 54.1289

Trichromacy



Original Color

24.4950, 34.6385, 52.4086



Protanomaly

26.5577, 32.4582, 47.5132



Deuteranomaly

27.5370, 32.5647, 53.5495



Tritanomaly

24.8487, 34.7959, 53.5507

Monochromacy



Original Color

24.4950, 34.6385, 52.4086



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

18.6268, 23.7901, 31.6272

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4950, 34.6385, 52.4086 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, 176, 187)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 187)  
}
```

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, 176, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 187) }
```

Border

The CSS property to change the border of an element to XYZ 24.4950, 34.6385, 52.4086 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, 176, 187) }
```


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

```
.border{ border-color:rgb(0, 176, 187) }
```

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

Here you see how a box with a 4 pixel rgb(0, 176, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 176, 187);  
box-shadow:4px 4px 4px 4px rgb(0, 176,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4950, 34.6385, 52.4086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 176, 187) }
```

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

```
.background{ background-color: rgb(0, 176,  
187) }
```

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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