

Converting Colors

XYZ(24.5720, 34.9149, 44.5375)

Have a look what the booklet for
XYZ(24.5720, 34.9149, 44.5375)
contains.

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Color

**XYZ(24.4930, 34.8135,
44.4585)**

Conversions

Conversions Part 1

Format	Color
Hex	36B0AC
RGB	54, 176, 172
RGB Percent	21%, 69%, 67%
CMY	0.7882, 0.3098, 0.3255
CMYK	0.69, 0.00, 0.02, 0.31
HSL	178°, 53%, 45%
HSV	178°, 69%, 69%
XYZ	24.4930, 34.8135, 44.4585
YIQ	139.0660, -71.4280, -27.1080

Conversions

Conversions Part 2

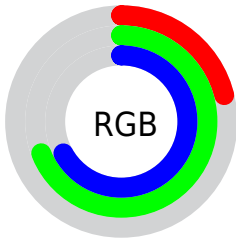
Format	Color
RYB	54, 116, 176
Decimal	3584172
CIELab	65.60, -33.56, -7.68
CIELCh	66, 34.427, 192.890
Yxy	34.8135, 0.2360, 0.3355
Android (android.graphics.Color)	4281774252 (0xFF36B0AC)
YUV	139.0660, 16.2365, -74.6029
Hunter-Lab	59.0030, -29.1572, -3.3727

Details

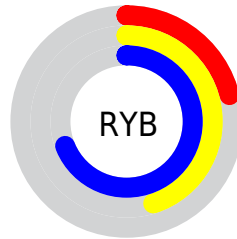
The XYZ color **24.4930, 34.8135, 44.4585** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **19.9885, 12.1749, 5.3004**, and the grayscale version is **24.5263, 25.8035, 28.1000**.

A 20% lighter version of the original color is **50.1930, 67.1108, 82.9813**, and **10.4731, 15.5220, 20.2134** is the 20% darker color. If you saturate the color by 10%, you get **23.6589, 34.3907, 44.1314**, and if you desaturate by 10%, it is **25.6712, 35.4152, 44.8045**.

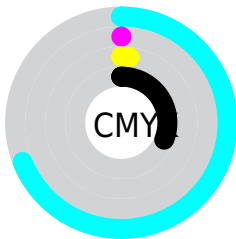
Distribution



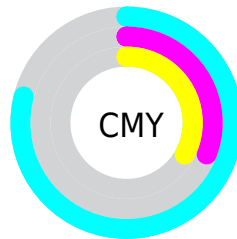
- Red (21%)
- Green (69%)
- Blue (67%)



- Red (21%)
- Yellow (45%)
- Blue (69%)



- Cyan (69%)
- Magenta (0%)
- Yellow (2%)
- Black (31%)



- Cyan (79%)
- Magenta (31%)
- Yellow (33%)
- Black (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4930, 34.8135, 44.4585 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 24.4930, 34.8135, 44.4585 by changing the saturation by 10% instead.

■ 24.4930, 34.8135,
44.4585

■ 24.4930, 34.8135,
44.4585

267.6980,
323.7444, 380.6720

■ 15.8264, 23.5192,
30.6913

■ 50.2824, 67.1967,
83.2170

■ 9.4915, 14.9774,
20.1074

■ 68.1359, 89.0545,
109.0455

■ 5.1228, 8.8035,
12.2883

■ 89.7824, 115.2023,
139.7314

■ 2.3550, 4.6132,
6.8154

■ 115.5873,
146.0244, 175.6933

■ 0.8226, 2.0222,
3.2702

■ 145.9160,
181.9053, 217.3498

■ 0.0000, 0.6203,
1.2342

181.1338,

■ 0.0000, 0.0000,

223.2293, 265.1194

0.0070

221.6060,
270.3809, 319.4206

■ 0.0000, 0.0000,
0.0000

■ 24.4930, 34.8135,
44.4585

■ 24.4930, 34.8135,
44.4585

■ 23.6589, 34.3907,
44.1314

■ 25.6712, 35.4152,
44.8045

■ 23.1267, 34.1227,
43.8189

■ 27.2235, 36.2090,
45.1685

■ 22.8222, 33.9720,
43.5184

■ 29.1801, 37.2112,
45.5527

■ 22.8034, 33.9628,
43.4979

■ 31.5673, 38.4354,
45.9583

■ 34.4093, 39.8939,
46.3864

■ 37.7284, 41.5984,
46.8381

■ 41.5454, 43.5596,
47.3144

■ 45.8799, 45.7875,
47.8162

■ 50.7506, 48.2918,
48.3444

Harmonies

Analogous

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



24.6448, 34.8135, 30.2948



24.4930, 34.8135, 44.4585



26.4690, 34.8135, 60.1730

Triad

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



24.4930, 34.8135, 44.4585



40.1521, 34.8135, 62.1659



36.0307, 34.8135, 17.0463

Complementary

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



24.4930, 34.8135, 44.4585



19.9885, 12.1749, 5.3004

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.



40.7303, 34.8135, 21.9467



24.4930, 34.8135, 44.4585



43.2709, 34.8135, 46.6958

Square

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



24.4930, 34.8135, 44.4585



35.3043, 34.8135, 72.0147



43.4926, 34.8135, 32.0312



30.9687, 34.8135, 16.7369

Rectangle

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



24.4930, 34.8135, 44.4585



28.8562, 34.8135, 68.4611



43.4926, 34.8135, 32.0312



37.7171, 34.8135, 18.1405

Sweetspot

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



24.4940, 34.8148, 44.4593



61.2779, 71.7733, 83.9639



17.9410, 32.2199, 8.7642



12.9722, 15.3965, 18.1508



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.



24.4940, 34.8148, 44.4593



42.3484, 62.0887, 79.7426



15.9636, 17.1297, 43.5408



8.7304, 9.6266, 10.8398



16.7351, 24.9200, 31.9373



0.5303, 0.7856, 1.0245

Inverse Universe

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



19.9885, 12.1749, 5.3004



33.6776, 18.3839, 4.2827



24.2488, 20.8521, 6.2376



8.5073, 8.5096, 8.9038



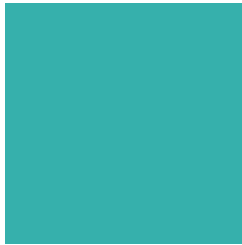
13.1644, 6.7833, 0.7596



0.4179, 0.2149, 0.0435

Previews

White Background



This preview shows how the XYZ color 24.4930, 34.8135, 44.4585 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 24.4930, 34.8135, 44.4585 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

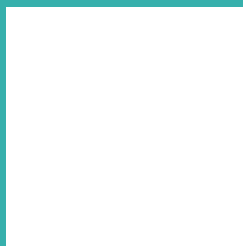
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.4930, 34.8135, 44.4585

Background



This preview shows how black text looks on a background with the XYZ color 24.4930, 34.8135, 44.4585.

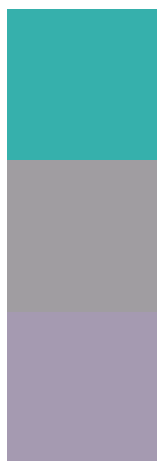


This preview shows how white text looks on a background with the XYZ color 24.4930, 34.8135,

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

24.4930, 34.8135, 44.4585

Protanopia

32.9872, 34.1607, 38.5733

Deuteranopia

35.0085, 34.2849, 46.3675



Tritanopia

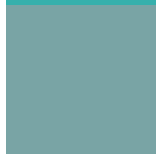
26.2631, 34.9597, 52.9406

Trichromacy



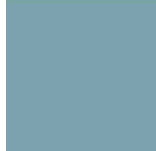
Original Color

24.4930, 34.8135, 44.4585



Protanomaly

27.9521, 33.3325, 40.5579



Deuteranomaly

29.1156, 33.2958, 45.4496



Tritanomaly

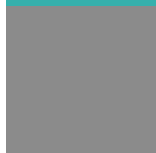
25.6369, 34.9980, 49.6600

Monochromacy



Original Color

24.4930, 34.8135, 44.4585



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

22.9985, 27.8790, 33.4472

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4930, 34.8135, 44.4585 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(54, 176, 172)` looks like.

```
.text, #text, p{  
    color:rgb(54, 176, 172)  
}
```

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(54, 176, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 176, 172) }
```

Border

The CSS property to change the border of an element to XYZ 24.4930, 34.8135, 44.4585 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(54, 176, 172) }
```


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

```
.border{ border-color:rgb(54, 176, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 176, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 176, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 176, 172);  
box-shadow:4px 4px 4px 4px rgb(54, 176,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4930, 34.8135, 44.4585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 176, 172) }
```

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

```
.background{ background-color: rgb(54, 176,  
172) }
```

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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