

Converting Colors

XYZ(17.7844, 24.7108, 38.1909)

Have a look what the booklet for
XYZ(17.7844, 24.7108, 38.1909)
contains.

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Color

**XYZ(17.6774, 24.5499,
37.9893)**

Conversions

Conversions Part 1

Format	Color
Hex	1296A2
RGB	18, 150, 162
RGB Percent	7%, 59%, 64%
CMY	0.9293, 0.4118, 0.3647
CMYK	0.89, 0.07, 0.00, 0.36
HSL	185°, 80%, 35%
HSV	185°, 89%, 64%
XYZ	17.6774, 24.5499, 37.9893
YIQ	111.9000, -82.5240, -24.2520

Conversions

Conversions Part 2

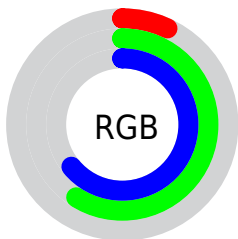
Format	Color
R_{YB}	18, 87, 162
Decimal	1218210
CIE _{Lab}	56.63, -27.67, -15.57
CIE _{LCh}	57, 31.750, 209.359
Yxy	24.5499, 0.2204, 0.3060
Android (android.graphics.Color)	4279408290 (0xFF1296A2)
YUV	111.9000, 24.6993, -82.3503
Hunter-Lab	49.5479, -23.0245, -10.7753

Details

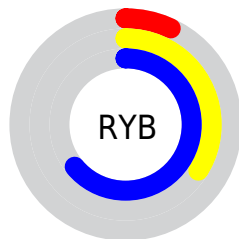
The XYZ color **17.6774, 24.5499, 37.9893** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.4746, 8.6547, 1.4281**, and the grayscale version is **15.3211, 16.1190, 17.5535**.

A 20% lighter version of the original color is **39.1796, 51.1592, 73.4554**, and **7.2763, 10.0495, 16.3081** is the 20% darker color. If you saturate the color by 10%, you get **17.2369, 24.0053, 37.9079**, and if you desaturate by 10%, it is **18.3120, 25.1992, 38.0817**.

Distribution



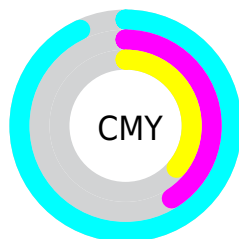
- Red (7%)
- Green (59%)
- Blue (64%)



- Red (7%)
- Yellow (34%)
- Blue (64%)



- Cyan (89%)
- Magenta (7%)
- Yellow (0%)
- Black (36%)



- Cyan (93%)
- Magenta (41%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.6774, 24.5499, 37.9893 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 17.6774, 24.5499, 37.9893 by changing the saturation by 10% instead.

■ 17.6774, 24.5499,
37.9893

■ 17.6774, 24.5499,
37.9893

232.1273,
275.5889, 352.8709

■ 10.8169, 15.7420,
25.6726

■ 39.0213, 50.9261,
73.2950

■ 6.0102, 9.3418,
16.3553

■ 54.2353, 69.2632,
97.1211

■ 2.8920, 4.9648,
9.6189

■ 72.9647, 91.5455,
125.6207

■ 1.0969, 2.2266,
5.0447

■ 95.5746, 118.1574,
159.2124

■ 0.0225, 0.7344,
2.2143

■ 122.4304,
149.4833, 198.3147

■ 0.0000, 0.0000,
0.6826

■ 153.8976,

■ 0.0000, 0.0000,

185.9076, 243.3462

0.0000

190.3414,
227.8147, 294.7254

■ 17.6774, 24.5499,
37.9893

■ 17.6774, 24.5499,
37.9893

■ 17.2369, 24.0053,
37.9079

■ 18.3120, 25.1992,
38.0817

■ 17.1902, 23.9458,
37.8988

■ 19.2004, 25.9826,
38.1860

■ 20.3747, 26.9170,
38.3045

■ 21.8616, 28.0163,
38.4383

■ 23.6847, 29.2927,
38.5886

■ 25.8653, 30.7572,
38.7563

■ 28.4232, 32.4199,
38.9425

■ 31.3764, 34.2901,
39.1478

■ 34.7419, 36.3767,
39.3732

Harmonies

Analogous

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



16.9308, 24.5499, 26.5040



17.6774, 24.5499, 37.9893



19.8997, 24.5499, 48.3166

Triad

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



17.6774, 24.5499, 37.9893



29.9903, 24.5499, 38.4891



23.4134, 24.5499, 11.1191

Complementary

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



17.6774, 24.5499, 37.9893



15.4746, 8.6547, 1.4281

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.



27.1422, 24.5499, 12.7763



17.6774, 24.5499, 37.9893



31.1768, 24.5499, 26.9586

Square

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



17.6774, 24.5499, 37.9893



26.9905, 24.5499, 48.6547



30.0843, 24.5499, 17.9502



20.0235, 24.5499, 12.6378

Rectangle

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



17.6774, 24.5499, 37.9893



22.0475, 24.5499, 52.1049



30.0843, 24.5499, 17.9502



24.6695, 24.5499, 11.3143

Sweetspot

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



17.6782, 24.5508, 37.9899



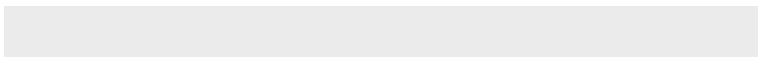
47.5478, 56.2267, 70.4029



13.4049, 26.0636, 5.5538



10.3686, 12.4232, 15.7889



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



17.6782, 24.5508, 37.9899



31.1339, 43.3246, 68.7777



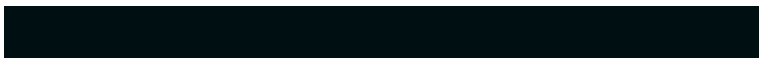
9.4968, 8.1880, 35.2628



7.2254, 7.9098, 9.0490



13.5579, 18.8952, 29.8623



0.2987, 0.4246, 0.6321

Inverse Universe

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



20.6223, 10.3168, 29.7594



36.7895, 17.8407, 52.5504



19.7621, 17.2297, 2.8572



7.3387, 7.1920, 8.7702



15.9889, 7.7516, 22.9297



0.3429, 0.1657, 0.5184

Previews

White Background



This preview shows how the XYZ color 17.6774, 24.5499, 37.9893 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 17.6774, 24.5499, 37.9893 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 × Fail

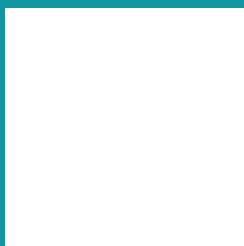
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.6774, 24.5499, 37.9893

Background



This preview shows how black text looks on a background with the XYZ color 17.6774, 24.5499, 37.9893.

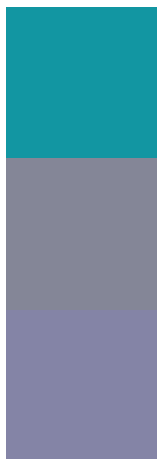


This preview shows how white text looks on a background with the XYZ color 17.6774, 24.5499,

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

17.6774, 24.5499, 37.9893

Protanopia

23.6267, 24.1901, 32.7020

Deuteranopia

24.6499, 24.1612, 39.4408



Tritanopia

17.6774, 24.5499, 37.9893

Trichromacy



Original Color

17.6774, 24.5499, 37.9893

Protanomaly

19.6089, 23.3469, 34.4832

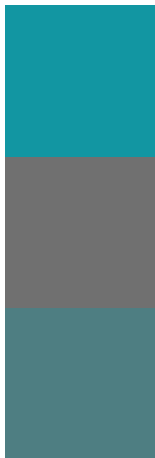
Deuteranomaly

20.3385, 23.4060, 39.0432

Tritanomaly

17.6774, 24.5499, 37.9893

Monochromacy



Original Color

17.6774, 24.5499, 37.9893

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

14.6320, 18.1531, 23.8518

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6774, 24.5499, 37.9893 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(18, 150, 162)` looks like.

```
.text, #text, p{  
    color:rgb(18, 150, 162)  
}
```

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(18, 150, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 150, 162) }
```

Border

The CSS property to change the border of an element to XYZ 17.6774, 24.5499, 37.9893 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(18, 150, 162) }
```


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

```
.border{ border-color:rgb(18, 150, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 150, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 150, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 150, 162);  
box-shadow:4px 4px 4px 4px rgb(18, 150,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 17.6774, 24.5499, 37.9893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 150, 162) }
```

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

```
.background{ background-color: rgb(18, 150,  
162) }
```

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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