

Converting Colors

XYZ(17.7189, 24.2165, 31.6762)

Have a look what the booklet for
XYZ(17.7189, 24.2165, 31.6762)
contains.

XYZ(17.7388, 24.2477, 31.7623)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(17.7388, 24.2477,
31.7623)**

Conversions

Conversions Part 1

Format	Color
Hex	3B9494
RGB	59, 148, 148
RGB Percent	23%, 58%, 58%
CMY	0.7686, 0.4196, 0.4196
CMYK	0.60, 0.00, 0.00, 0.42
HSL	180°, 43%, 41%
HSV	180°, 60%, 58%
XYZ	17.7388, 24.2477, 31.7623
YIQ	121.3890, -53.0440, -18.8680

Conversions

Conversions Part 2

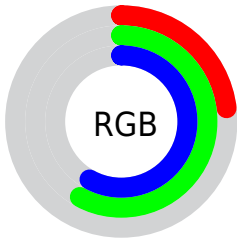
Format	Color
R_{YB}	59, 104, 148
Decimal	3904660
CIE _{Lab}	56.33, -26.05, -7.93
CIE _{LCh}	56, 27.231, 196.922
Yxy	24.2477, 0.2405, 0.3288
Android (android.graphics.Color)	4282094740 (0xFF3B9494)
YUV	121.3890, 13.1192, -54.7152
Hunter-Lab	49.2420, -21.8710, -3.7742




Details

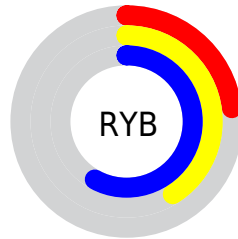
The XYZ color **17.7388, 24.2477, 31.7623** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.5669, 9.7403, 5.2507**, and the grayscale version is **18.2717, 19.2232, 20.9341**.




A 20% lighter version of the original color is **38.9837, 50.2183, 63.5156**, and **6.4324, 9.4125, 12.7870** is the 20% darker color. If you saturate the color by 10%, you get **16.9831, 23.8587, 31.7274**, and if you desaturate by 10%, it is **18.7447, 24.7668, 31.8100**.

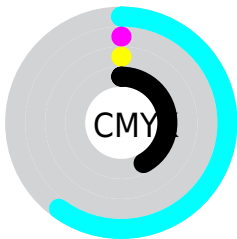
Distribution







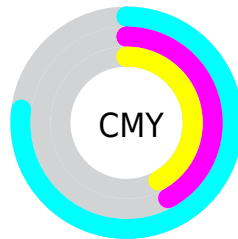
-  Red (23%)
-  Green (58%)
-  Blue (58%)






-  Red (23%)
-  Yellow (41%)
-  Blue (58%)



-  Cyan (60%)
-  Magenta (0%)
-  Yellow (0%)
-  Black (42%)



-  Cyan (77%)
-  Magenta (42%)
-  Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7388, 24.2477, 31.7623 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 17.7388, 24.2477, 31.7623 by changing the saturation by 10% instead.

■ 17.7388, 24.2477,
31.7623

■ 17.7388, 24.2477,
31.7623

232.4688,
274.0704, 324.4943

■ 10.8612, 15.5175,
20.9167

■ 39.1253, 50.4341,
63.5318

■ 6.0402, 9.1834,
12.8725

■ 54.3649, 68.6591,
85.2928

■ 2.9104, 4.8610,
7.2111

■ 73.1226, 90.8177,
111.5294

■ 1.1066, 2.1659,
3.5140

■ 95.7636, 117.2945,
142.6600

■ 0.0306, 0.7013,
1.3627

■ 122.6534,
148.4738, 179.1033

■ 0.0000, 0.0000,
0.1124

154.1573,

■ 0.0000, 0.0000,

184.7399, 221.2778

0.0000

190.6406,
226.4773, 269.6019

■ 17.7388, 24.2477,
31.7623

■ 17.7388, 24.2477,
31.7623

■ 16.9831, 23.8587,
31.7274

■ 18.7447, 24.7668,
31.8100

■ 16.4538, 23.5858,
31.7025

■ 20.0177, 25.4230,
31.8697

■ 16.1262, 23.4169,
31.6871

■ 21.5758, 26.2263,
31.9427

■ 15.9356, 23.3187,
31.6781

■ 23.4348, 27.1846,
32.0298

■ 25.6094, 28.3057,
32.1316

■ 28.1134, 29.5965,
32.2489

■ 30.9594, 31.0637,
32.3822

■ 34.1599, 32.7136,
32.5321

■ 37.7263, 34.5522,
32.6991

Harmonies

Analogous

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



17.6509, 24.2477, 22.6786



17.7388, 24.2477, 31.7623



19.1635, 24.2477, 41.1557

Triad

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



17.7388, 24.2477, 31.7623



27.7449, 24.2477, 40.0625



24.4403, 24.2477, 12.8847

Complementary

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



17.7388, 24.2477, 31.7623



14.5669, 9.7403, 5.2507

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.



27.4220, 24.2477, 15.6770



17.7388, 24.2477, 31.7623



29.4434, 24.2477, 30.5113

Square

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



17.7388, 24.2477, 31.7623



24.8495, 24.2477, 46.6440



29.3201, 24.2477, 21.6808



21.3333, 24.2477, 13.0718

Rectangle

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



17.7388, 24.2477, 31.7623



20.7598, 24.2477, 45.7219



29.3201, 24.2477, 21.6808



25.4957, 24.2477, 13.4733

Sweetspot

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



17.7395, 24.2486, 31.7629



41.9873, 48.2938, 56.5430



13.2729, 22.4723, 7.7763



9.3658, 10.9115, 12.8973



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



17.7395, 24.2486, 31.7629



29.6139, 41.9151, 55.9630



12.1996, 13.1685, 29.9167



5.9641, 6.5622, 7.4220



13.6111, 19.9172, 27.0573



0.1666, 0.2438, 0.3312

Inverse Universe

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



14.5669, 9.7403, 5.2507



23.5025, 13.9676, 4.8924



17.7560, 16.1186, 6.3136



5.8008, 5.8154, 6.0572



10.4317, 5.3777, 0.4883



0.1277, 0.0658, 0.0060

Previews

White Background



This preview shows how the XYZ color 17.7388, 24.2477, 31.7623 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 17.7388, 24.2477, 31.7623 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 17.7388, 24.2477, 31.7623

Background



This preview shows how black text looks on a background with the XYZ color 17.7388, 24.2477, 31.7623.

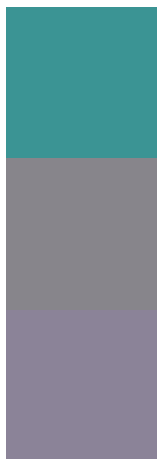


This preview shows how white text looks on a background with the XYZ color 17.7388, 24.2477,

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

17.7388, 24.2477, 31.7623

Protanopia

23.0394, 23.7900, 27.8037

Deuteranopia

24.4313, 23.9886, 33.0484



Tritanopia

18.5648, 24.1164, 36.0242

Trichromacy



Original Color

17.7388, 24.2477, 31.7623

Protanomaly

20.0344, 23.2558, 29.0241

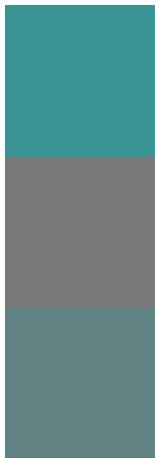
Deuteranomaly

20.9620, 23.4407, 32.6978

Tritanomaly

18.2531, 24.2247, 34.2856

Monochromacy



Original Color

17.7388, 24.2477, 31.7623

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.2500, 20.4680, 24.5143

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7388, 24.2477, 31.7623 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(59, 148, 148)` looks like.

```
.text, #text, p{  
    color:rgb(59, 148, 148)  
}
```

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(59, 148, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 148, 148) }
```

Border

The CSS property to change the border of an element to XYZ 17.7388, 24.2477, 31.7623 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(59, 148, 148) }
```


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

```
.border{ border-color:rgb(59, 148, 148) }
```

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

Here you see how a box with a 4 pixel rgb(59, 148, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 148, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 148, 148);  
box-shadow:4px 4px 4px 4px rgb(59, 148,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7388, 24.2477, 31.7623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 148, 148) }
```

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

```
.background{ background-color: rgb(59, 148,  
148) }
```

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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