

Converting Colors

XYZ(17.7892, 23.5486, 31.6251)

Have a look what the booklet for
XYZ(17.7892, 23.5486, 31.6251)
contains.

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Color

**XYZ(17.7854, 23.5822,
31.6314)**

Conversions

Conversions Part 1

Format	Color
Hex	439194
RGB	67, 145, 148
RGB Percent	26%, 57%, 58%
CMY	0.7372, 0.4314, 0.4196
CMYK	0.55, 0.02, 0.00, 0.42
HSL	182°, 38%, 42%
HSV	182°, 55%, 58%
XYZ	17.7854, 23.5822, 31.6314
YIQ	122.0200, -47.4510, -15.6030

Conversions

Conversions Part 2

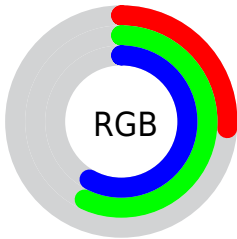
Format	Color
R _Y B	67, 107, 148
Decimal	4428180
CIE Lab	55.67, -22.92, -8.90
CIE LCh	56, 24.589, 201.209
Yxy	23.5822, 0.2436, 0.3230
Android (android.graphics.Color)	4282618260 (0xFF439194)
YUV	122.0200, 12.8081, -48.2525
Hunter-Lab	48.5615, -19.6079, -4.6265

Details

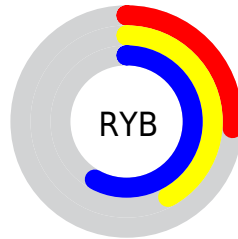
The XYZ color **17.7854, 23.5822, 31.6314** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.4164, 11.0818, 6.6372**, and the grayscale version is **18.4764, 19.4386, 21.1687**.

A 20% lighter version of the original color is **39.1101, 49.2487, 63.3217**, and **6.1604, 8.8685, 12.6964** is the 20% darker color. If you saturate the color by 10%, you get **16.8143, 22.9581, 31.5625**, and if you desaturate by 10%, it is **19.0177, 24.3426, 31.7136**.

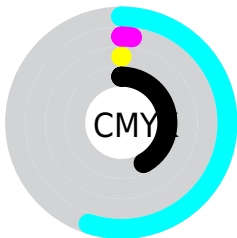
Distribution



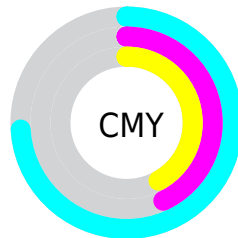
- Red (26%)
- Green (57%)
- Blue (58%)



- Red (26%)
- Yellow (42%)
- Blue (58%)



- Cyan (55%)
- Magenta (2%)
- Yellow (0%)
- Black (42%)



- Cyan (74%)
- Magenta (43%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7854, 23.5822, 31.6314 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 17.7854, 23.5822, 31.6314 by changing the saturation by 10% instead.

■ 17.7854, 23.5822,
31.6314

■ 17.7854, 23.5822,
31.6314

232.7277,
270.7014, 323.8775

■ 10.8948, 15.0240,
20.8176

■ 39.2043, 49.3475,
63.3240

■ 6.0629, 8.8362,
12.8008

■ 54.4632, 67.3235,
85.0399

■ 2.9244, 4.6345,
7.1624

■ 73.2423, 89.2074,
111.2269

■ 1.1139, 2.0345,
3.4839

■ 95.9070, 115.3838,
142.3035

■ 0.0367, 0.6274,
1.3467

■ 122.8225,
146.2370, 178.6884

■ 0.0000, 0.0000,
0.0996

154.3542,

■ 0.0000, 0.0000,

182.1514, 220.8000

0.0000

190.8675,
223.5114, 269.0568

■ 17.7854, 23.5822,
31.6314

■ 17.7854, 23.5822,
31.6314

■ 16.8143, 22.9581,
31.5625

■ 19.0177, 24.3426,
31.7136

■ 16.0820, 22.4572,
31.5045

■ 20.5270, 25.2459,
31.8084

■ 15.5661, 22.0685,
31.4566

■ 22.3306, 26.3015,
31.9171

■ 15.2371, 21.7767,
31.4176

■ 24.4435, 27.5171,
32.0404

■ 15.0962, 21.6398,
31.3986

■ 26.8800, 28.9001,
32.1789

■ 29.6532, 30.4574,
32.3334

■ 32.7756, 32.1953,
32.5042

■ 36.2592, 34.1199,
32.6921

■ 40.1151, 36.2371,
32.8976

Harmonies

Analogous

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



17.5298, 23.5822, 23.4048



17.7854, 23.5822, 31.6314



19.2254, 23.5822, 39.5740

Triad

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



17.7854, 23.5822, 31.6314



26.8502, 23.5822, 36.5273



23.2422, 23.5822, 13.3120

Complementary

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



17.7854, 23.5822, 31.6314



15.4164, 11.0818, 6.6372

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.



25.9374, 23.5822, 15.4864



17.7854, 23.5822, 31.6314



28.1307, 23.5822, 28.0917

Square

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



17.7854, 23.5822, 31.6314



24.4068, 23.5822, 42.7829



27.7835, 23.5822, 20.5211



20.5330, 23.5822, 13.8735

Rectangle

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



17.7854, 23.5822, 31.6314



20.7339, 23.5822, 43.0946



27.7835, 23.5822, 20.5211



24.1829, 23.5822, 13.7273

Sweetspot

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



17.7861, 23.5831, 31.6320



42.4979, 48.1911, 56.4965



14.0012, 22.8120, 9.4106



9.5379, 10.9073, 12.8874



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.



17.7861, 23.5831, 31.6320



29.2939, 40.2588, 55.6614



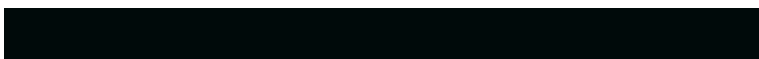
12.6918, 13.3945, 29.9339



5.9459, 6.5258, 7.4160



12.8989, 18.4927, 26.8206



0.1625, 0.2356, 0.3298

Inverse Universe

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



19.3313, 12.3551, 28.1550



32.3649, 18.4620, 48.6344



18.8239, 17.8968, 7.7730



6.0261, 5.9055, 7.2438



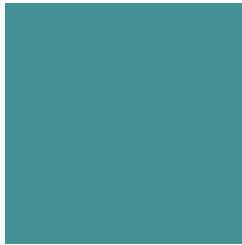
14.6379, 7.0602, 22.6378



0.1815, 0.0873, 0.2894

Previews

White Background



This preview shows how the XYZ color 17.7854, 23.5822, 31.6314 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 17.7854, 23.5822, 31.6314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

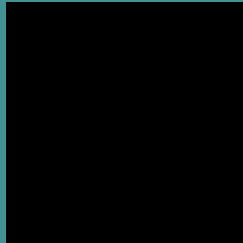
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.7854, 23.5822, 31.6314

Background



This preview shows how black text looks on a background with the XYZ color 17.7854, 23.5822, 31.6314.

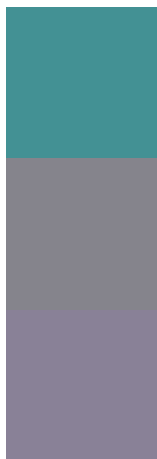


This preview shows how white text looks on a background with the XYZ color 17.7854, 23.5822,

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

17.7854, 23.5822, 31.6314

Protanopia

22.6578, 23.3825, 28.1300

Deuteranopia

23.7527, 23.2532, 32.5146



Tritanopia

18.4154, 23.6152, 34.5979

Trichromacy



Original Color

17.7854, 23.5822, 31.6314

Protanomaly

20.2103, 23.1257, 29.3851

Deuteranomaly

20.8511, 22.9747, 32.1898

Tritanomaly

18.0950, 23.4787, 33.2839

Monochromacy



Original Color

17.7854, 23.5822, 31.6314

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

17.5589, 20.4287, 24.4904

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7854, 23.5822, 31.6314 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(67, 145, 148)` looks like.

```
.text, #text, p{  
    color:rgb(67, 145, 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(67, 145, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 145, 148) }
```

Border

The CSS property to change the border of an element to XYZ 17.7854, 23.5822, 31.6314 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(67, 145, 148) }
```


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

```
.border{ border-color:rgb(67, 145, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 145, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 145, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 145, 148);  
box-shadow:4px 4px 4px 4px rgb(67, 145,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7854, 23.5822, 31.6314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 145, 148) }
```

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

```
.background{ background-color: rgb(67, 145,  
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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