

Converting Colors

XYZ(19.4413, 23.1513, 29.2480)

Have a look what the booklet for
XYZ(19.4413, 23.1513, 29.2480)
contains.

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Color

**XYZ(19.4461, 23.1577,
29.4316)**

Conversions

Conversions Part 1

Format	Color
Hex	648B8F
RGB	100, 139, 143
RGB Percent	39%, 55%, 56%
CMY	0.6078, 0.4549, 0.4392
CMYK	0.30, 0.03, 0.00, 0.44
HSL	186°, 18%, 48%
HSV	186°, 30%, 56%
XYZ	19.4461, 23.1577, 29.4316
YIQ	127.7950, -24.5280, -7.0240

Conversions

Conversions Part 2

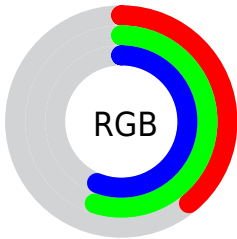
Format	Color
R_{YB}	100, 120, 143
Decimal	6589327
CIE _{Lab}	55.23, -12.42, -6.50
CIE _{LCh}	55, 14.017, 207.612
Y _{xy}	23.1577, 0.2700, 0.3215
Android (android.graphics.Color)	4284779407 (0xFF648B8F)
YUV	127.7950, 7.4961, -24.3762
Hunter-Lab	48.1224, -12.0831, -2.5759

Details

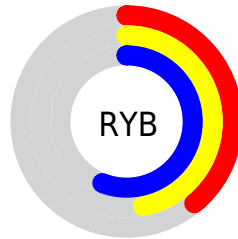
The XYZ color **19.4461, 23.1577, 29.4316** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.5787, 16.6607, 14.2938**, and the grayscale version is **20.4283, 21.4922, 23.4050**.

A 20% lighter version of the original color is **42.0969, 48.8465, 60.0329**, and **6.9134, 8.6389, 11.6590** is the 20% darker color. If you saturate the color by 10%, you get **17.8100, 22.0307, 29.3007**, and if you desaturate by 10%, it is **21.3636, 24.4344, 29.5773**.

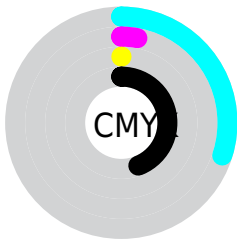
Distribution



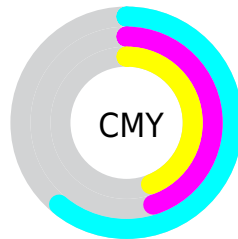
- Red (39%)
- Green (55%)
- Blue (56%)



- Red (39%)
- Yellow (47%)
- Blue (56%)



- Cyan (30%)
- Magenta (3%)
- Yellow (0%)
- Black (44%)



- Cyan (61%)
- Magenta (45%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4461, 23.1577, 29.4316 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 19.4461, 23.1577, 29.4316 by changing the saturation by 10% instead.

■ 19.4461, 23.1577,
29.4316

■ 19.4461, 23.1577,
29.4316

241.7917,
268.5339, 313.3704

■ 12.0990, 14.7100,
19.1592

■ 41.9976, 48.6521,
59.8125

■ 6.8838, 8.6161,
11.6074

■ 57.9327, 66.4677,
80.7580

■ 3.4352, 4.4916,
6.3577

■ 77.4612, 88.1746,
106.0983

■ 1.3879, 1.9522,
2.9915

■ 100.9484,
114.1573, 136.2519

■ 0.2476, 0.5795,
1.0903

128.7597,
144.8002, 171.6374

■ 0.0000, 0.0000,
0.0000

161.2605,

180.4877, 212.6732

198.8160,
221.6041, 259.7781

■ 19.4461, 23.1577,
29.4316

■ 19.4461, 23.1577,
29.4316

■ 17.8100, 22.0307,
29.3007

■ 21.3636, 24.4344,
29.5773

■ 16.4387, 21.0431,
29.1823

■ 23.5738, 25.8649,
29.7370

■ 15.3170, 20.1877,
29.0763

■ 26.0901, 27.4567,
29.9116

■ 14.4274, 19.4553,
28.9819

■ 28.9243, 29.2158,
30.1018

■ 13.7500, 18.8358,
28.8980

■ 32.0876, 31.1482,
30.3080

■ 13.2617, 18.3171,
28.8236

■ 35.5907, 33.2593,
30.5309

■ 12.9012, 17.8696,
28.7562

■ 39.4438, 35.5543,
30.7708

■ 43.6566, 38.0384,
31.0282

■ 48.2384, 40.7163,
31.3036

Harmonies

Analogous

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



19.1341, 23.1577, 24.8568



19.4461, 23.1577, 29.4316



20.4351, 23.1577, 33.2304

Triad

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



19.4461, 23.1577, 29.4316



24.6557, 23.1577, 30.1278



22.1365, 23.1577, 17.5351

Complementary

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



19.4461, 23.1577, 29.4316



18.5787, 16.6607, 14.2938

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.



23.6652, 23.1577, 18.6045



19.4461, 23.1577, 29.4316



25.1621, 23.1577, 25.5763

Square

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



19.4461, 23.1577, 29.4316



23.4376, 23.1577, 33.6647



24.7914, 23.1577, 21.4213



20.6429, 23.1577, 18.3123

Rectangle

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



19.4461, 23.1577, 29.4316



21.3703, 23.1577, 34.6221



24.7914, 23.1577, 21.4213



22.6638, 23.1577, 17.6875

Sweetspot

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



19.4468, 23.1586, 29.4321



42.5900, 46.5580, 53.2799



17.5561, 23.3458, 16.5675



9.6380, 10.5944, 12.2092



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



19.4468, 23.1586, 29.4321



32.8101, 40.0926, 52.5474



16.6826, 17.6304, 28.5108



5.5180, 6.0318, 6.9022



11.4150, 15.8159, 25.4282



0.1172, 0.1674, 0.2458

Inverse Universe

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



20.5457, 16.8187, 26.5905



35.1291, 26.9759, 46.4917



20.9726, 21.4486, 15.0918



5.6049, 5.5025, 6.6836



13.5649, 6.5830, 19.1577



0.1338, 0.0646, 0.2047

Previews

White Background



This preview shows how the XYZ color 19.4461, 23.1577, 29.4316 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 19.4461, 23.1577, 29.4316 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 19.4461, 23.1577, 29.4316

Background



This preview shows how black text looks on a background with the XYZ color 19.4461, 23.1577, 29.4316.



This preview shows how white text looks on a background with the XYZ color 19.4461, 23.1577,

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

19.4461, 23.1577, 29.4316

Protanopia

22.2195, 22.9731, 27.3079

Deuteranopia

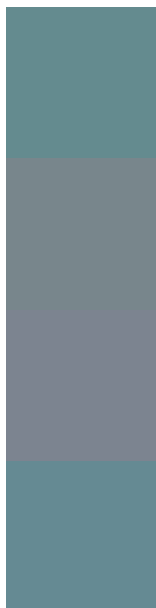
23.3112, 22.8860, 29.9769



Tritanopia

19.8801, 23.1136, 31.8473

Trichromacy



Original Color

19.4461, 23.1577, 29.4316

Protanomaly

21.0045, 22.9367, 28.1311

Deuteranomaly

21.5975, 22.8012, 29.6483

Tritanomaly

19.7218, 23.0502, 31.0135

Monochromacy



Original Color

19.4461, 23.1577, 29.4316

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

19.9561, 22.0475, 25.3941

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4461, 23.1577, 29.4316 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(100, 139, 143)` looks like.

```
.text, #text, p{  
    color:rgb(100, 139, 143)  
}
```

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(100, 139, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 139, 143) }
```

Border

The CSS property to change the border of an element to XYZ 19.4461, 23.1577, 29.4316 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(100, 139, 143) }
```


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

```
.border{ border-color:rgb(100, 139, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 139, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(100, 139, 143); -webkit-box-shadow:4px 4px 4px 4px rgb(100, 139, 143); box-shadow:4px 4px 4px 4px rgb(100, 139, 143) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4461, 23.1577, 29.4316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 139, 143) }
```

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

```
.background{ background-color: rgb(100,  
139, 143) }
```

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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