

Converting Colors

XYZ(19.2099, 22.0600, 28.8370)

Have a look what the booklet for
XYZ(19.2099, 22.0600, 28.8370)
contains.

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Color

**XYZ(19.1165, 21.9462,
28.8197)**

Conversions

Conversions Part 1

Format	Color
Hex	68868E
RGB	104, 134, 142
RGB Percent	41%, 53%, 56%
CMY	0.5921, 0.4745, 0.4431
CMYK	0.27, 0.06, 0.00, 0.44
HSL	193°, 15%, 48%
HSV	193°, 27%, 56%
XYZ	19.1165, 21.9462, 28.8197
YIQ	125.9420, -20.4480, -3.8720

Conversions

Conversions Part 2

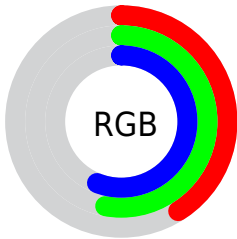
Format	Color
RYB	104, 121, 142
Decimal	6850190
CIELab	53.97, -8.64, -7.77
CIElCh	54, 11.626, 221.967
Yxy	21.9462, 0.2736, 0.3140
Android (android.graphics.Color)	4285040270 (0xFF68868E)
YUV	125.9420, 7.9166, -19.2431
Hunter-Lab	46.8468, -9.1424, -3.6819

Details

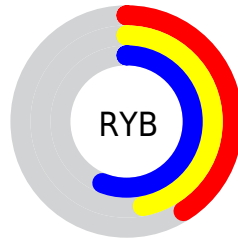
The XYZ color **19.1165, 21.9462, 28.8197** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.4485, 18.3388, 15.6119**, and the grayscale version is **19.7909, 20.8216, 22.6747**.

A 20% lighter version of the original color is **41.4444, 46.5941, 59.0338**, and **6.6776, 7.9256, 11.3031** is the 20% darker color. If you saturate the color by 10%, you get **17.1979, 20.3530, 28.6137**, and if you desaturate by 10%, it is **21.3257, 23.7076, 29.0436**.

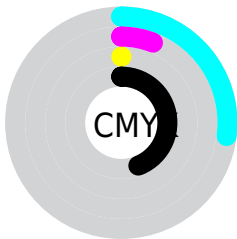
Distribution



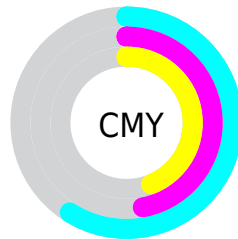
- Red (41%)
- Green (53%)
- Blue (56%)



- Red (41%)
- Yellow (47%)
- Blue (56%)



- Cyan (27%)
- Magenta (6%)
- Yellow (0%)
- Black (44%)



- Cyan (59%)
- Magenta (47%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1165, 21.9462, 28.8197 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 19.1165, 21.9462, 28.8197 by changing the saturation by 10% instead.

■ 19.1165, 21.9462,
28.8197

■ 19.1165, 21.9462,
28.8197

240.0169,
262.2652, 310.3976

■ 11.8590, 13.8174,
18.7001

■ 41.4462, 46.6571,
58.8293

■ 6.7192, 7.9938,
11.2791

■ 57.2491, 64.0079,
79.5563

■ 3.3319, 4.0910,
6.1384

■ 76.6312, 85.2015,
104.6562

■ 1.3316, 1.7246,
2.8593

■ 99.9579, 110.6223,
134.5475

■ 0.2067, 0.4395,
1.0232

127.5944,
140.6547, 169.6487

■ 0.0000, 0.0000,
0.0000

159.9062,

175.6830, 210.3784

197.2586,
216.0917, 257.1552

■ 19.1165, 21.9462,
28.8197

■ 19.1165, 21.9462,
28.8197

■ 17.1979, 20.3530,
28.6137

■ 21.3257, 23.7076,
29.0436

■ 15.5539, 18.9180,
28.4233

■ 23.8365, 25.6415,
29.2846

■ 14.1700, 17.6341,
28.2485

■ 26.6619, 27.7551,
29.5436

■ 13.0294, 16.4926,
28.0882

■ 29.8132, 30.0546,
29.8214

■ 12.1135, 15.4837,
27.9418

■ 33.3015, 32.5456,
30.1183

■ 11.4005, 14.5960,
27.8080

■ 37.1371, 35.2337,
30.4350

■ 10.8541, 13.8107,
27.6852

■ 41.3299, 38.1241,
30.7719

■ 10.6890, 13.5659,
27.6467

■ 45.8896, 41.2219,
31.1295

■ 50.8253, 44.5319,
31.5083

Harmonies

Analogous

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



18.5872, 21.9462, 25.3570



19.1165, 21.9462, 28.8197



20.1213, 21.9462, 31.0854

Triad

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



19.1165, 21.9462, 28.8197



23.2381, 21.9462, 26.0988



20.3630, 21.9462, 17.7543

Complementary

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



19.1165, 21.9462, 28.8197



19.4485, 18.3388, 15.6119

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.



21.6149, 21.9462, 17.9100



19.1165, 21.9462, 28.8197



23.3092, 21.9462, 22.4916

Square

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



19.1165, 21.9462, 28.8197



22.5143, 21.9462, 29.4094



22.7047, 21.9462, 19.5671



19.2873, 21.9462, 19.1182

Rectangle

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



19.1165, 21.9462, 28.8197



20.9421, 21.9462, 31.4867



22.7047, 21.9462, 19.5671



20.7765, 21.9462, 17.6347

Sweetspot

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



19.1172, 21.9471, 28.8202



41.3772, 44.7174, 51.5784



18.2848, 23.4505, 18.7759



9.1019, 9.8810, 11.5069



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



19.1172, 21.9471, 28.8202



31.6521, 37.0065, 50.6026



16.7684, 17.2495, 28.0373



5.4652, 5.9263, 6.8846



9.6104, 12.2069, 24.8267



0.1075, 0.1479, 0.2426

Inverse Universe

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



20.4093, 17.3732, 24.8328



34.3588, 27.7190, 42.1841



21.7171, 22.8761, 16.3681



5.5783, 5.4919, 6.5434



12.6540, 6.2186, 14.3612



0.1288, 0.0626, 0.1787

Previews

White Background



This preview shows how the XYZ color 19.1165, 21.9462, 28.8197 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 19.1165, 21.9462, 28.8197 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

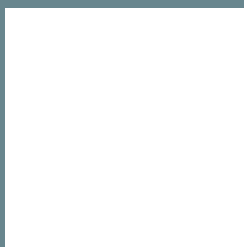
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.1165, 21.9462, 28.8197

Background



This preview shows how black text looks on a background with the XYZ color 19.1165, 21.9462, 28.8197.



This preview shows how white text looks on a background with the XYZ color 19.1165, 21.9462,

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

19.1165, 21.9462, 28.8197

Protanopia

21.2087, 21.8625, 27.1468

Deuteranopia

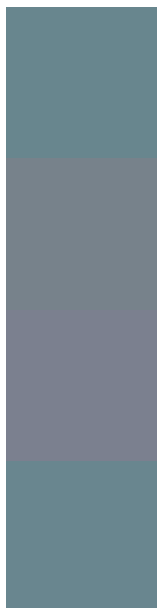
22.1992, 21.7492, 29.4135



Tritanopia

19.3848, 22.0671, 29.6232

Trichromacy



Original Color

19.1165, 21.9462, 28.8197

Protanomaly

20.2506, 21.7513, 27.5572

Deuteranomaly

20.8455, 21.6325, 29.0634

Tritanomaly

19.3087, 22.0366, 29.2224

Monochromacy



Original Color

19.1165, 21.9462, 28.8197

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.4863, 21.2180, 24.8982

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1165, 21.9462, 28.8197 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(104, 134, 142)` looks like.

```
.text, #text, p{  
    color:rgb(104, 134, 142)  
}
```

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(104, 134, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 134, 142) }
```

Border

The CSS property to change the border of an element to XYZ 19.1165, 21.9462, 28.8197 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(104, 134, 142) }
```


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

```
.border{ border-color:rgb(104, 134, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 134, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 134, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 134, 142);  
box-shadow:4px 4px 4px 4px rgb(104, 134,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1165, 21.9462, 28.8197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 134, 142) }
```

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

```
.background{ background-color: rgb(104,  
134, 142) }
```

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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