

Converting Colors

XYZ(18.6389, 20.3412, 30.9196)

Have a look what the booklet for
XYZ(18.6389, 20.3412, 30.9196)
contains.

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Color

**XYZ(18.6436, 20.2599,
30.9449)**

Conversions

Conversions Part 1

Format	Color
Hex	687F94
RGB	104, 127, 148
RGB Percent	41%, 50%, 58%
CMY	0.5921, 0.5020, 0.4196
CMYK	0.30, 0.14, 0.00, 0.42
HSL	209°, 17%, 49%
HSV	209°, 30%, 58%
XYZ	18.6436, 20.2599, 30.9449
YIQ	122.5170, -20.4490, 1.6550

Conversions

Conversions Part 2

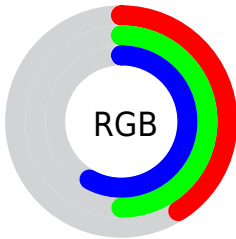
Format	Color
RYB	104, 119, 148
Decimal	6848404
CIELab	52.13, -3.15, -14.03
CIELCh	52, 14.378, 257.349
Yxy	20.2599, 0.2669, 0.2901
Android (android.graphics.Color)	4285038484 (0xFF687F94)
YUV	122.5170, 12.5631, -16.2394
Hunter-Lab	45.0110, -4.8344, -9.2540

Details

The XYZ color **18.6436, 20.2599, 30.9449** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **22.0454, 21.9629, 16.1747**, and the grayscale version is **18.6332, 19.6036, 21.3483**.

A 20% lighter version of the original color is **40.6922, 43.9747, 62.2204**, and **6.4576, 7.1241, 12.3440** is the 20% darker color. If you saturate the color by 10%, you get **16.1938, 17.6903, 30.5784**, and if you desaturate by 10%, it is **21.4602, 23.1145, 31.3478**.

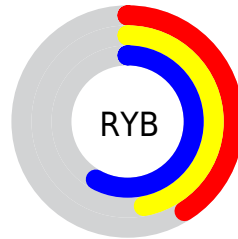
Distribution



Red (41%)

Green (50%)

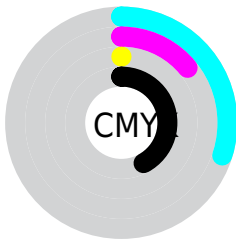
Blue (58%)



Red (41%)

Yellow (47%)

Blue (58%)

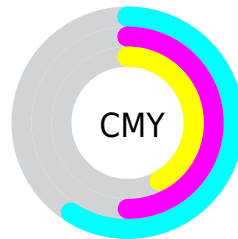


Cyan (30%)

Magenta (14%)

Yellow (0%)

Black (42%)



Cyan (59%)

Magenta (50%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6436, 20.2599, 30.9449 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 18.6436, 20.2599, 30.9449 by changing the saturation by 10% instead.

■ 18.6436, 20.2599,
30.9449

■ 18.6436, 20.2599,
30.9449

237.4502,
253.3186, 320.6277

■ 11.5155, 12.5841,
20.2988

■ 40.6525, 43.8525,
62.2319

■ 6.4845, 7.1428,
12.4262

■ 56.2641, 60.5381,
83.7098

■ 3.1853, 3.5516,
6.9086

■ 75.4342, 80.9957,
109.6354

■ 1.2525, 1.4260,
3.3274

■ 98.5282, 105.6098,
140.4273

■ 0.1472, 0.2358,
1.2641

125.9114,
134.7648, 176.5039

■ 0.0000, 0.0000,
0.0321

157.9493,

■ 0.0000, 0.0000,

168.8450, 218.2838

0.0000

195.0071,
208.2348, 266.1856

■ 18.6436, 20.2599,
30.9449

■ 18.6436, 20.2599,
30.9449

■ 16.1938, 17.6903,
30.5784

■ 21.4602, 23.1145,
31.3478

■ 14.0917, 15.3925,
30.2457

■ 24.6576, 26.2617,
31.7867

■ 12.3196, 13.3559,
29.9459

■ 28.2512, 29.7119,
32.2633

■ 10.8569, 11.5677,
29.6779

■ 32.2551, 33.4740,
32.7784

■ 9.6808, 10.0141,
29.4400

■ 36.6827, 37.5567,
33.3331

■ 8.7645, 8.6791,
29.2306

■ 41.5467, 41.9682,
33.9282

■ 8.0435, 7.5270,
29.0462

■ 46.8592, 46.7164,
34.5647

■ 8.0250, 7.4974,
29.0415

■ 52.6319, 51.8089,
35.2434

■ 58.8760, 57.2532,
35.9652

Harmonies

Analogous

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



17.4030, 20.2599, 28.5699



18.6436, 20.2599, 30.9449



20.1122, 20.2599, 30.7300

Triad

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



18.6436, 20.2599, 30.9449



22.0843, 20.2599, 19.7312



17.2501, 20.2599, 17.0139

Complementary

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



18.6436, 20.2599, 30.9449



22.0454, 21.9629, 16.1747

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.



18.4253, 20.2599, 15.1959



18.6436, 20.2599, 30.9449



21.2370, 20.2599, 16.6220

Square

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



18.6436, 20.2599, 30.9449



22.1501, 20.2599, 23.8816



19.8825, 20.2599, 15.0622



16.6264, 20.2599, 20.3327

Rectangle

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



18.6436, 20.2599, 30.9449



21.0238, 20.2599, 29.1459



19.8825, 20.2599, 15.0622



17.5910, 20.2599, 16.2264

Sweetspot

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



18.6442, 20.2607, 30.9454



43.8362, 46.6571, 56.1299



19.9712, 25.5921, 23.1338



9.8240, 10.4730, 12.7885



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.



18.6442, 20.2607, 30.9454



29.8080, 32.5268, 54.1418



16.1540, 15.2803, 30.1153



5.7353, 6.1045, 7.3457



6.8820, 6.4587, 24.8150



0.1138, 0.1381, 0.3136

Inverse Universe

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



20.9944, 17.7294, 22.3951



34.7628, 27.6084, 36.0213



25.0731, 28.0184, 17.1839



5.9198, 5.8630, 6.6839



11.6008, 5.8454, 6.6447



0.1569, 0.0775, 0.1598

Previews

White Background



This preview shows how the XYZ color 18.6436, 20.2599, 30.9449 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 18.6436, 20.2599, 30.9449 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

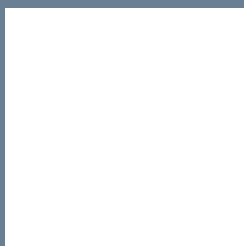
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.6436, 20.2599, 30.9449

Background



This preview shows how black text looks on a background with the XYZ color 18.6436, 20.2599, 30.9449.

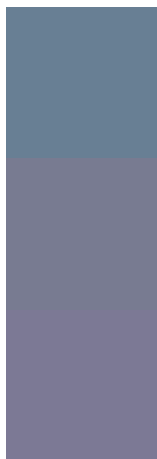


This preview shows how white text looks on a background with the XYZ color 18.6436, 20.2599,

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

18.6436, 20.2599, 30.9449

Protanopia

19.9395, 20.2033, 29.6368

Deuteranopia

20.5744, 20.1298, 31.2348



Tritanopia

17.9899, 20.3894, 27.4135

Trichromacy



Original Color

18.6436, 20.2599, 30.9449

Protanomaly

19.3354, 20.0680, 30.0486

Deuteranomaly

19.8439, 20.1178, 31.2710

Tritanomaly

18.1952, 20.2749, 28.5456

Monochromacy



Original Color

18.6436, 20.2599, 30.9449

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.5750, 19.7943, 24.6715

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6436, 20.2599, 30.9449 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, 127, 148)` looks like.

```
.text, #text, p{  
    color:rgb(104, 127, 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(104, 127, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 127, 148) }
```

Border

The CSS property to change the border of an element to XYZ 18.6436, 20.2599, 30.9449 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, 127, 148) }
```


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

```
.border{ border-color:rgb(104, 127, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 127, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 127, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 127, 148);  
box-shadow:4px 4px 4px 4px rgb(104, 127,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6436, 20.2599, 30.9449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 127, 148) }
```

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

```
.background{ background-color: rgb(104,  
127, 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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