

Converting Colors

XYZ(18.4478, 21.1595, 28.0349)

Have a look what the booklet for
XYZ(18.4478, 21.1595, 28.0349)
contains.

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Color

**XYZ(18.4644, 21.2208,
27.9338)**

Conversions

Conversions Part 1

Format	Color
Hex	66848C
RGB	102, 132, 140
RGB Percent	40%, 52%, 55%
CMY	0.6000, 0.4823, 0.4510
CMYK	0.27, 0.06, 0.00, 0.45
HSL	193°, 16%, 47%
HSV	193°, 27%, 55%
XYZ	18.4644, 21.2208, 27.9338
YIQ	123.9420, -20.4480, -3.8720

Conversions

Conversions Part 2

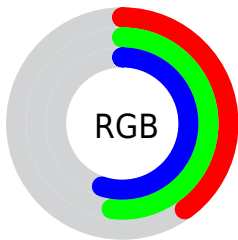
Format	Color
R_{YB}	102, 119, 140
Decimal	6718604
CIE _{Lab}	53.19, -8.65, -7.79
CIE _{LCh}	53, 11.643, 221.990
Yxy	21.2208, 0.2731, 0.3138
Android (android.graphics.Color)	4284908684 (0xFF66848C)
YUV	123.9420, 7.9166, -19.2431
Hunter-Lab	46.0660, -9.0684, -3.7064

Details

The XYZ color **18.4644, 21.2208, 27.9338** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.7897, 17.6867, 14.9944**, and the grayscale version is **19.1187, 20.1144, 21.9046**.

A 20% lighter version of the original color is **40.4130, 45.4630, 57.6842**, and **6.4069, 7.6816, 10.8179** is the 20% darker color. If you saturate the color by 10%, you get **16.6160, 19.6836, 27.7349**, and if you desaturate by 10%, it is **20.5933, 22.9205, 28.1500**.

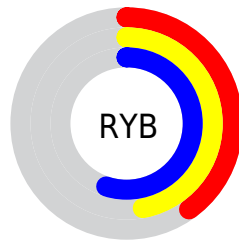
Distribution



Red (40%)

Green (52%)

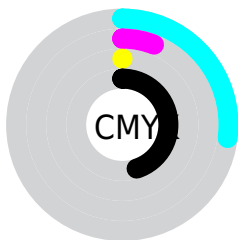
Blue (55%)



Red (40%)

Yellow (47%)

Blue (55%)

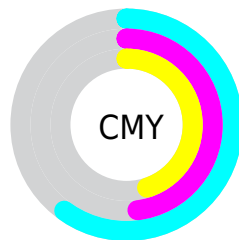


Cyan (27%)

Magenta (6%)

Yellow (0%)

Black (45%)



Cyan (60%)

Magenta (48%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4644, 21.2208, 27.9338 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 18.4644, 21.2208, 27.9338 by changing the saturation by 10% instead.

■ 18.4644, 21.2208,
27.9338

■ 18.4644, 21.2208,
27.9338

236.4711,
258.4496, 306.0524

■ 11.3856, 13.2855,
18.0372

■ 40.3510, 45.4547,
57.4006

■ 6.3960, 7.6254,
10.8069

■ 55.8895, 62.5221,
77.8078

■ 3.1303, 3.8562,
5.8246

■ 74.9786, 83.4023,
102.5556

■ 1.2230, 1.5935,
2.6717

■ 97.9837, 108.4798,
132.0625

■ 0.1244, 0.3532,
0.9291

125.2702,
138.1388, 166.7471

■ 0.0000, 0.0000,
0.0000

157.2033,

172.7639, 207.0279

194.1485,
212.7394, 253.3235

■ 18.4644, 21.2208,
27.9338

■ 18.4644, 21.2208,
27.9338

■ 16.6160, 19.6836,
27.7349

■ 20.5933, 22.9205,
28.1500

■ 15.0327, 18.2991,
27.5511

■ 23.0135, 24.7867,
28.3827

■ 13.7004, 17.0605,
27.3822

■ 25.7374, 26.8265,
28.6328

■ 12.6029, 15.9593,
27.2275

■ 28.7761, 29.0457,
28.9010

■ 11.7221, 14.9859,
27.0861

■ 32.1403, 31.4500,
29.1878

■ 11.0369, 14.1295,
26.9569

■ 35.8399, 34.0447,
29.4936

■ 10.5093, 13.3703,
26.8381

■ 39.8846, 36.8348,
29.8190

■ 10.3673, 13.1608,
26.8052

■ 44.2836, 39.8252,
30.1643

■ 49.0458, 43.0207,
30.5301

Harmonies

Analogous

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



17.9461, 21.2208, 24.5399



18.4644, 21.2208, 27.9338



19.4481, 21.2208, 30.1554

Triad

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



18.4644, 21.2208, 27.9338



22.5007, 21.2208, 25.2614



19.6830, 21.2208, 17.0998

Complementary

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



18.4644, 21.2208, 27.9338



18.7897, 17.6867, 14.9944

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.



20.9090, 21.2208, 17.2507



18.4644, 21.2208, 27.9338



22.5698, 21.2208, 21.7287

Square

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



18.4644, 21.2208, 27.9338



21.7917, 21.2208, 28.5079



21.9770, 21.2208, 18.8689



18.6303, 21.2208, 18.4334

Rectangle

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



18.4644, 21.2208, 27.9338



20.2519, 21.2208, 30.5481



21.9770, 21.2208, 18.8689



20.0878, 21.2208, 16.9826

Sweetspot

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



18.4650, 21.2217, 27.9343



40.1111, 43.3479, 49.9959



17.6507, 22.6985, 18.0893



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.



18.4650, 21.2217, 27.9343



30.3638, 35.6059, 49.0153



16.1634, 16.6184, 27.1671



5.0850, 5.5129, 6.4019



9.2261, 11.7226, 23.8221



0.0716, 0.0986, 0.1617

Inverse Universe

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



19.7320, 16.7446, 24.0229



33.0543, 26.4233, 40.6360



21.0116, 22.1305, 15.7350



5.1895, 5.1112, 6.0865



12.1437, 5.9676, 13.7931



0.0859, 0.0417, 0.1192

Previews

White Background



This preview shows how the XYZ color 18.4644, 21.2208, 27.9338 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 18.4644, 21.2208, 27.9338 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

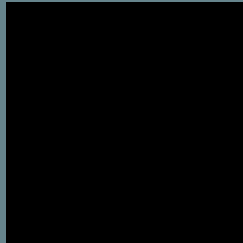
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.4644, 21.2208, 27.9338

Background



This preview shows how black text looks on a background with the XYZ color 18.4644, 21.2208, 27.9338.



This preview shows how white text looks on a background with the XYZ color 18.4644, 21.2208,

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

18.4644, 21.2208, 27.9338

Protanopia

20.5090, 21.1349, 26.2911

Deuteranopia

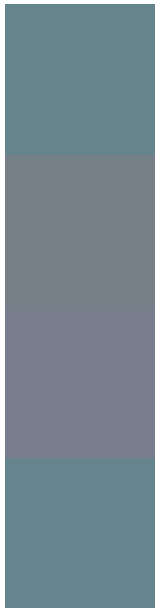
21.4812, 21.0244, 28.5171



Tritanopia

18.6132, 21.2803, 28.7177

Trichromacy



Original Color

18.4644, 21.2208, 27.9338

Protanomaly

19.5706, 21.0264, 26.6939

Deuteranomaly

20.1537, 20.9097, 28.1731

Tritanomaly

18.5385, 21.2504, 28.3240

Monochromacy



Original Color

18.4644, 21.2208, 27.9338

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.8211, 20.5035, 24.0847

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4644, 21.2208, 27.9338 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(102, 132, 140)` looks like.

```
.text, #text, p{  
    color:rgb(102, 132, 140)  
}
```

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(102, 132, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 132, 140) }
```

Border

The CSS property to change the border of an element to XYZ 18.4644, 21.2208, 27.9338 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(102, 132, 140) }
```


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

```
.border{ border-color:rgb(102, 132, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 132, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 132, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 132, 140);  
box-shadow:4px 4px 4px 4px rgb(102, 132,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4644, 21.2208, 27.9338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 132, 140) }
```

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

```
.background{ background-color: rgb(102,  
132, 140) }
```

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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