

Converting Colors

XYZ(18.3626, 20.8580, 28.3115)

Have a look what the booklet for
XYZ(18.3626, 20.8580, 28.3115)
contains.

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Color

**XYZ(18.2698, 20.7131,
28.2344)**

Conversions

Conversions Part 1

Format	Color
Hex	66828D
RGB	102, 130, 141
RGB Percent	40%, 51%, 55%
CMY	0.6000, 0.4902, 0.4471
CMYK	0.28, 0.08, 0.00, 0.45
HSL	197°, 16%, 48%
HSV	197°, 28%, 55%
XYZ	18.2698, 20.7131, 28.2344
YIQ	122.8820, -20.2190, -2.5150

Conversions

Conversions Part 2

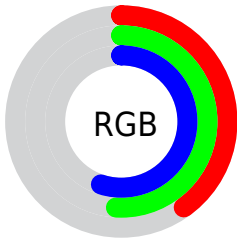
Format	Color
R_{YB}	102, 118, 141
Decimal	6718093
CIE _{Lab}	52.63, -7.28, -9.20
CIE _{LCh}	53, 11.732, 231.664
Yxy	20.7131, 0.2718, 0.3082
Android (android.graphics.Color)	4284908173 (0xFF66828D)
YUV	122.8820, 8.9322, -18.3135
Hunter-Lab	45.5116, -7.9899, -4.9240

Details

The XYZ color **18.2698, 20.7131, 28.2344** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.2881, 18.4324, 15.1120**, and the grayscale version is **18.7646, 19.7418, 21.4988**.

A 20% lighter version of the original color is **40.1102, 44.6771, 58.1393**, and **6.2990, 7.3971, 10.9933** is the 20% darker color. If you saturate the color by 10%, you get **16.2872, 18.9214, 27.9934**, and if you desaturate by 10%, it is **20.5460, 22.6875, 28.4959**.

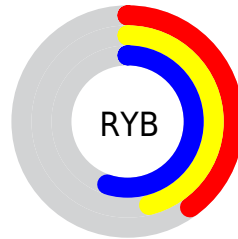
Distribution



Red (40%)

Green (51%)

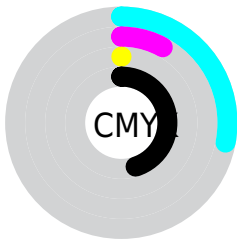
Blue (55%)



Red (40%)

Yellow (46%)

Blue (55%)

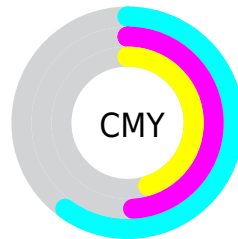


Cyan (28%)

Magenta (8%)

Yellow (0%)

Black (45%)



Cyan (60%)

Magenta (49%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2698, 20.7131, 28.2344 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 18.2698, 20.7131, 28.2344 by changing the saturation by 10% instead.

■ 18.2698, 20.7131,
28.2344

■ 18.2698, 20.7131,
28.2344

235.4037,
255.7498, 307.5324

■ 11.2447, 12.9145,
18.2618

■ 40.0230, 44.6096,
57.8861

■ 6.3002, 7.3697,
10.9668

■ 55.4819, 61.4762,
78.4022

■ 3.0708, 3.6943,
5.9306

■ 74.4827, 82.1342,
103.2700

■ 1.1913, 1.5041,
2.7348

■ 97.3908, 106.9681,
132.9080

■ 0.0995, 0.2916,
0.9609

124.5716,
136.3622, 167.7347

■ 0.0000, 0.0000,
0.0000

156.3905,

170.7009, 208.1686

193.2127,
210.3687, 254.6283

■ 18.2698, 20.7131,
28.2344

■ 18.2698, 20.7131,
28.2344

■ 16.2872, 18.9214,
27.9934

■ 20.5460, 22.6875,
28.4959

■ 14.5822, 17.3024,
27.7708

■ 23.1268, 24.8491,
28.7771

■ 13.1403, 15.8486,
27.5662

■ 26.0250, 27.2053,
29.0791

■ 11.9449, 14.5513,
27.3787

■ 29.2523, 29.7625,
29.4026

■ 10.9770, 13.4002,
27.2076

■ 32.8194, 32.5266,
29.7481

■ 10.2151, 12.3838,
27.0516

■ 36.7367, 35.5031,
30.1162

■ 9.6170, 11.4802,
26.9087

■ 41.0143, 38.6977,
30.5073

■ 9.4845, 11.2765,
26.8763

■ 45.6616, 42.1154,
30.9221

■ 50.6878, 45.7613,
31.3609

Harmonies

Analogous

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



17.5896, 20.7131, 25.1210



18.2698, 20.7131, 28.2344



19.3495, 20.7131, 29.8624

Triad

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



18.2698, 20.7131, 28.2344



22.0968, 20.7131, 23.5396



18.8351, 20.7131, 16.8757

Complementary

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



18.2698, 20.7131, 28.2344



19.2881, 18.4324, 15.1120

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.



20.0287, 20.7131, 16.5458



18.2698, 20.7131, 28.2344



21.9452, 20.7131, 20.1663

Square

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



18.2698, 20.7131, 28.2344



21.5821, 20.7131, 26.9749



21.1760, 20.7131, 17.6900



17.9065, 20.7131, 18.6429

Rectangle

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



18.2698, 20.7131, 28.2344



20.1645, 20.7131, 29.7810



21.1760, 20.7131, 17.6900



19.2175, 20.7131, 16.6008

Sweetspot

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



18.2704, 20.7139, 28.2349



41.1652, 44.2932, 51.5077



17.9517, 23.0537, 18.9503



9.0468, 9.7709, 11.4886



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.



18.2704, 20.7139, 28.2349



30.5097, 35.1153, 50.2978



15.9830, 16.1390, 27.4724



5.4335, 5.8628, 6.8740



8.6618, 10.3095, 24.5105



0.1015, 0.1360, 0.2406

Inverse Universe

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



19.7656, 16.7776, 23.3166



33.6861, 27.0820, 39.7757



21.6209, 23.0978, 15.8896



5.5623, 5.4854, 6.4590



12.1752, 6.0271, 11.8397



0.1259, 0.0614, 0.1629

Previews

White Background



This preview shows how the XYZ color 18.2698, 20.7131, 28.2344 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 18.2698, 20.7131, 28.2344 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 18.2698, 20.7131, 28.2344

Background



This preview shows how black text looks on a background with the XYZ color 18.2698, 20.7131, 28.2344.



This preview shows how white text looks on a background with the XYZ color 18.2698, 20.7131,

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

18.2698, 20.7131, 28.2344

Protanopia

20.0352, 20.5065, 26.5691

Deuteranopia

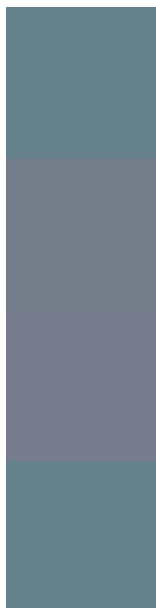
20.9707, 20.5694, 28.8516



Tritanopia

18.1957, 20.6835, 27.8442

Trichromacy



Original Color

18.2698, 20.7131, 28.2344

Protanomaly

19.2508, 20.4697, 26.9812

Deuteranomaly

19.8238, 20.5422, 28.5114

Tritanomaly

18.1957, 20.6835, 27.8442

Monochromacy



Original Color

18.2698, 20.7131, 28.2344

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.5604, 20.1783, 24.0357

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2698, 20.7131, 28.2344 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, 130, 141)` looks like.

```
.text, #text, p{  
    color:rgb(102, 130, 141)  
}
```

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, 130, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 130, 141) }
```

Border

The CSS property to change the border of an element to XYZ 18.2698, 20.7131, 28.2344 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, 130, 141) }
```


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

```
.border{ border-color:rgb(102, 130, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 130, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 130, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 130, 141);  
box-shadow:4px 4px 4px 4px rgb(102, 130,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2698, 20.7131, 28.2344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 130, 141) }
```

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

```
.background{ background-color: rgb(102,  
130, 141) }
```

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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