

Converting Colors

XYZ(18.8043, 21.2518, 33.7491)

Have a look what the booklet for
XYZ(18.8043, 21.2518, 33.7491)
contains.

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Color

**XYZ(18.8033, 21.2685,
33.6860)**

Conversions

Conversions Part 1

Format	Color
Hex	5F849A
RGB	95, 132, 154
RGB Percent	37%, 52%, 60%
CMY	0.6274, 0.4823, 0.3961
CMYK	0.38, 0.14, 0.00, 0.40
HSL	202°, 24%, 49%
HSV	202°, 38%, 60%
XYZ	18.8033, 21.2685, 33.6860
YIQ	123.4450, -29.1140, -1.0020

Conversions

Conversions Part 2

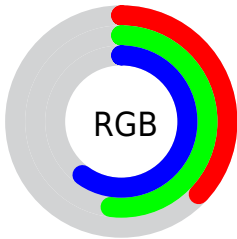
Format	Color
R _Y B	95, 118, 154
Decimal	6259866
CIE Lab	53.24, -7.12, -15.88
CIE LCh	53, 17.406, 245.868
Yxy	21.2685, 0.2549, 0.2884
Android (android.graphics.Color)	4284449946 (0xFF5F849A)
YUV	123.4450, 15.0636, -24.9463
Hunter-Lab	46.1178, -7.9275, -11.0250

Details

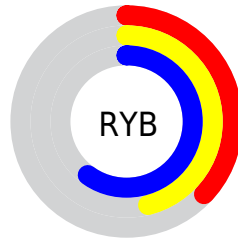
The XYZ color **18.8033, 21.2685, 33.6860** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.7537, 20.4192, 13.6219**, and the grayscale version is **18.9329, 19.9189, 21.6917**.

A 20% lighter version of the original color is **40.9469, 45.5479, 66.3080**, and **6.5801, 7.7013, 13.9716** is the 20% darker color. If you saturate the color by 10%, you get **16.6018, 19.0097, 33.3664**, and if you desaturate by 10%, it is **21.3653, 23.7777, 34.0357**.

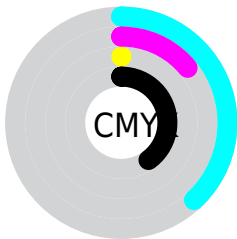
Distribution



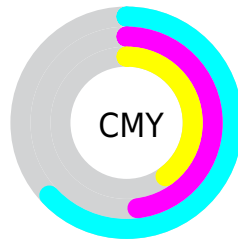
- Red (37%)
- Green (52%)
- Blue (60%)



- Red (37%)
- Yellow (46%)
- Blue (60%)



- Cyan (38%)
- Magenta (14%)
- Yellow (0%)
- Black (40%)



- Cyan (63%)
- Magenta (48%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8033, 21.2685, 33.6860 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 18.8033, 21.2685, 33.6860 by changing the saturation by 10% instead.

■ 18.8033, 21.2685,
33.6860

■ 18.8033, 21.2685,
33.6860

238.3197,
258.7020, 333.4560

■ 11.6314, 13.3204,
22.3771

■ 40.9209, 45.5340,
66.5734

■ 6.5636, 7.6496,
13.9333

■ 56.5973, 62.6201,
88.9889

■ 3.2346, 3.8715,
7.9360

■ 75.8393, 83.5211,
115.9437

■ 1.2790, 1.6020,
3.9669

■ 99.0121, 108.6213,
147.8564

■ 0.1674, 0.3589,
1.6072

126.4813,
138.3051, 185.1454

■ 0.0000, 0.0000,
0.2959

158.6120,

■ 0.0000, 0.0000,

172.9569, 228.2293

0.0000

195.7697,
212.9610, 277.5266

■ 18.8033, 21.2685,
33.6860

■ 18.8033, 21.2685,
33.6860

■ 16.6018, 19.0097,
33.3664

■ 21.3653, 23.7777,
34.0357

■ 14.7393, 16.9878,
33.0743

■ 24.3036, 26.5451,
34.4150

■ 13.1951, 15.1916,
32.8090

■ 27.6355, 29.5810,
34.8253

■ 11.9452, 13.6076,
32.5691

■ 31.3766, 32.8944,
35.2677

■ 10.9616, 12.2203,
32.3532

■ 35.5415, 36.4937,
35.7429

■ 10.1910, 11.0012,
32.1585

■ 40.1442, 40.3871,
36.2518

■ 10.0687, 10.8049,
32.1271

■ 45.1980, 44.5823,
36.7952

■ 50.7154, 49.0867,
37.3739

■ 56.7088, 53.9074,
37.9885

Harmonies

Analogous

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



17.4823, 21.2685, 29.6139



18.8033, 21.2685, 33.6860



20.5788, 21.2685, 34.7657

Triad

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



18.8033, 21.2685, 33.6860



23.9413, 21.2685, 22.1376



18.2128, 21.2685, 15.8812

Complementary

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



18.8033, 21.2685, 33.6860



21.7537, 20.4192, 13.6219

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.



19.8556, 21.2685, 14.4726



18.8033, 21.2685, 33.6860



23.2187, 21.2685, 17.7156

Square

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



18.8033, 21.2685, 33.6860



23.6175, 21.2685, 27.5507



21.6958, 21.2685, 15.0894



17.1562, 21.2685, 19.2586

Rectangle

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



18.8033, 21.2685, 33.6860



21.7977, 21.2685, 33.5198



21.6958, 21.2685, 15.0894



18.7109, 21.2685, 15.1871

Sweetspot

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



18.8040, 21.2693, 33.6865



48.3647, 52.0795, 63.0395



19.4648, 26.8203, 20.8683



10.7730, 11.6300, 14.2474



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



18.8040, 21.2693, 33.6865



30.6756, 35.0757, 60.6898



15.3896, 14.4406, 32.5484



6.1909, 6.6391, 7.8842



8.2382, 8.8730, 26.1862



0.1578, 0.2020, 0.4030

Inverse Universe

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



21.5840, 16.7210, 23.9205



36.6197, 26.1572, 39.6284



25.6919, 28.2956, 14.9346



6.3635, 6.2845, 7.2941



12.6170, 6.3010, 9.7741



0.2061, 0.1012, 0.2383

Previews

White Background



This preview shows how the XYZ color 18.8033, 21.2685, 33.6860 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 18.8033, 21.2685, 33.6860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

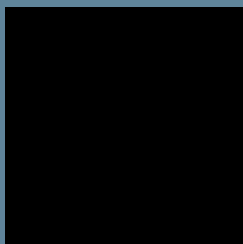
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

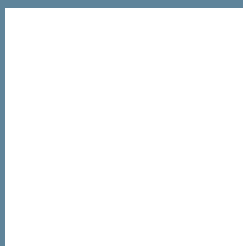
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.8033, 21.2685, 33.6860

Background



This preview shows how black text looks on a background with the XYZ color 18.8033, 21.2685, 33.6860.



This preview shows how white text looks on a background with the XYZ color 18.8033, 21.2685,

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

18.8033, 21.2685, 33.6860

Protanopia

20.9919, 21.2613, 31.8516

Deuteranopia

21.5206, 21.1007, 34.3911



Tritanopia

18.0733, 21.3910, 29.5619

Trichromacy



Original Color

18.8033, 21.2685, 33.6860

Protanomaly

19.9872, 21.1175, 32.3008

Deuteranomaly

20.3158, 21.0560, 34.0038

Tritanomaly

18.3489, 21.2929, 31.1598

Monochromacy



Original Color

18.8033, 21.2685, 33.6860

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.5740, 20.1536, 25.4653

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8033, 21.2685, 33.6860 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(95, 132, 154) looks like.

```
.text, #text, p{  
    color:rgb(95, 132, 154)  
}
```

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(95, 132, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 132, 154) }
```

Border

The CSS property to change the border of an element to XYZ 18.8033, 21.2685, 33.6860 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(95, 132, 154) }
```


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

```
.border{ border-color:rgb(95, 132, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 132, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 132, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 132, 154);  
box-shadow:4px 4px 4px 4px rgb(95, 132,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8033, 21.2685, 33.6860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 132, 154) }
```

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

```
.background{ background-color: rgb(95, 132,  
154) }
```

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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