

Converting Colors

XYZ(18.8529, 20.0887, 36.1206)

Have a look what the booklet for
XYZ(18.8529, 20.0887, 36.1206)
contains.

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Color

**XYZ(18.8430, 20.0564,
36.1359)**

Conversions

Conversions Part 1

Format	Color
Hex	627EA0
RGB	98, 126, 160
RGB Percent	38%, 49%, 63%
CMY	0.6157, 0.5059, 0.3725
CMYK	0.39, 0.21, 0.00, 0.37
HSL	213°, 25%, 51%
HSV	213°, 39%, 63%
XYZ	18.8430, 20.0564, 36.1359
YIQ	121.5040, -27.6020, 4.6380

Conversions

Conversions Part 2

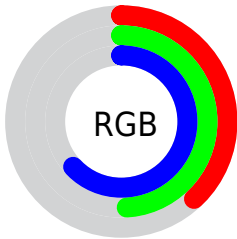
Format	Color
R_{YB}	98, 117, 160
Decimal	6454944
CIE _{Lab}	51.90, -1.13, -21.40
CIE _{LCh}	52, 21.429, 266.977
Yxy	20.0564, 0.2511, 0.2673
Android (android.graphics.Color)	4284645024 (0xFF627EA0)
YUV	121.5040, 18.9785, -20.6130
Hunter-Lab	44.7844, -3.2689, -16.4912

Details

The XYZ color **18.8430, 20.0564, 36.1359** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **24.9536, 24.8585, 15.0389**, and the grayscale version is **18.2844, 19.2367, 20.9487**.

A 20% lighter version of the original color is **41.1483, 43.7258, 70.5612**, and **6.5329, 6.9948, 15.1932** is the 20% darker color. If you saturate the color by 10%, you get **16.2130, 17.1078, 35.7057**, and if you desaturate by 10%, it is **21.9178, 23.3813, 36.6160**.

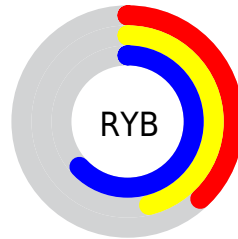
Distribution



Red (38%)

Green (49%)

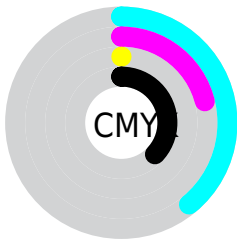
Blue (63%)



Red (38%)

Yellow (46%)

Blue (63%)

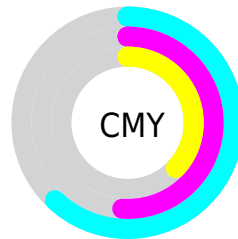


Cyan (39%)

Magenta (21%)

Yellow (0%)

Black (37%)



Cyan (62%)

Magenta (51%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8430, 20.0564, 36.1359 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 18.8430, 20.0564, 36.1359 by changing the saturation by 10% instead.

■ 18.8430, 20.0564,
36.1359

■ 18.8430, 20.0564,
36.1359

238.5354,
252.2203, 344.6095

■ 11.6602, 12.4360,
24.2486

■ 40.9876, 43.5117,
70.4132

■ 6.5833, 7.0414,
15.3043

■ 56.6801, 60.1155,
93.6403

■ 3.2469, 3.4880,
8.8842

■ 75.9398, 80.4825,
121.4844

■ 1.2856, 1.3915,
4.5700

■ 99.1323, 104.9972,
154.3641

■ 0.1724, 0.2104,
1.9429

126.6227,
134.0439, 192.6980

■ 0.0000, 0.0000,
0.5199

158.7764,

■ 0.0000, 0.0000,

168.0071, 236.9044

0.0000

195.9589,
207.2710, 287.4021

■ 18.8430, 20.0564,
36.1359

■ 18.8430, 20.0564,
36.1359

■ 16.2130, 17.1078,
35.7057

■ 21.9178, 23.3813,
36.6160

■ 14.0027, 14.5175,
35.3223

■ 25.4569, 27.0948,
37.1462

■ 12.1873, 12.2693,
34.9840

■ 29.4808, 31.2114,
37.7287

■ 10.7380, 10.3442,
34.6888

■ 34.0083, 35.7441,
38.3650

■ 9.6219, 8.7211,
34.4343

■ 39.0570, 40.7053,
39.0565

■ 8.7764, 7.3632,
34.2168

■ 44.6437, 46.1068,
39.8046

■ 8.6794, 7.2064,
34.1916

■ 50.7844, 51.9599,
40.6108

■ 57.4944, 58.2755,
41.4761

■ 64.7884, 65.0641,
42.4020

Harmonies

Analogous

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



16.8708, 20.0564, 33.5149



18.8430, 20.0564, 36.1359



21.0263, 20.0564, 34.3636

Triad

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



18.8430, 20.0564, 36.1359



23.0435, 20.0564, 16.8373



15.7633, 20.0564, 15.9328

Complementary

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



18.8430, 20.0564, 36.1359



24.9536, 24.8585, 15.0389

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.



17.2259, 20.0564, 12.7993



18.8430, 20.0564, 36.1359



21.4373, 20.0564, 13.2474

Square

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



18.8430, 20.0564, 36.1359



23.5577, 20.0564, 22.4767



19.2847, 20.0564, 11.9182



15.1798, 20.0564, 21.2116

Rectangle

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



18.8430, 20.0564, 36.1359



22.2910, 20.0564, 31.0847



19.2847, 20.0564, 11.9182



16.1627, 20.0564, 14.6351

Sweetspot

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



18.8437, 20.0572, 36.1364



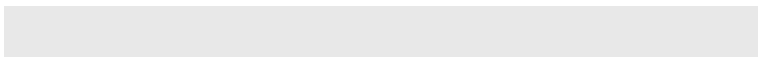
50.8815, 53.9825, 68.1245



21.7096, 29.3793, 26.0236



10.9655, 11.6415, 14.9128



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



18.8437, 20.0572, 36.1364



30.2678, 32.0091, 64.9696



15.9764, 13.9872, 35.1159



6.5191, 6.9039, 8.3957



6.8040, 5.6995, 26.6487



0.1634, 0.1853, 0.4904

Inverse Universe

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



22.6313, 17.7159, 21.9661



38.2491, 27.7733, 34.9544



28.8633, 33.2863, 16.4596



6.7513, 6.6935, 7.5417



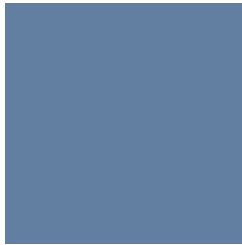
12.2325, 6.1976, 5.4756



0.2398, 0.1192, 0.2088

Previews

White Background



This preview shows how the XYZ color 18.8430, 20.0564, 36.1359 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 18.8430, 20.0564, 36.1359 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

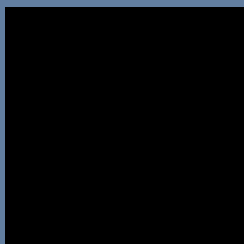
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

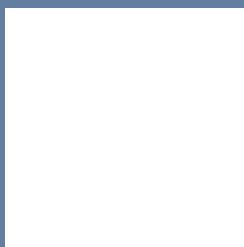
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.8430, 20.0564, 36.1359

Background



This preview shows how black text looks on a background with the XYZ color 18.8430, 20.0564, 36.1359.

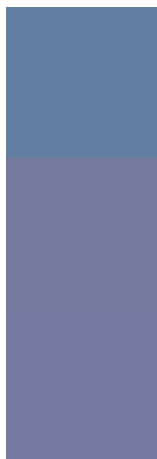


This preview shows how white text looks on a background with the XYZ color 18.8430, 20.0564,

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

18.8430, 20.0564, 36.1359

Protanopia

20.1156, 19.9982, 34.6981

Deuteranopia

20.3406, 19.8928, 36.4858



Tritanopia

17.2305, 20.1859, 27.7991

Trichromacy



Original Color

18.8430, 20.0564, 36.1359

Protanomaly

19.5612, 19.8857, 35.1551

Deuteranomaly

19.8227, 19.9903, 36.5320

Tritanomaly

17.8360, 20.2400, 30.5704

Monochromacy



Original Color

18.8430, 20.0564, 36.1359

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.3369, 19.4542, 26.0811

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8430, 20.0564, 36.1359 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(98, 126, 160)` looks like.

```
.text, #text, p{  
    color:rgb(98, 126, 160)  
}
```

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(98, 126, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 126, 160) }
```

Border

The CSS property to change the border of an element to XYZ 18.8430, 20.0564, 36.1359 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(98, 126, 160) }
```


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

```
.border{ border-color:rgb(98, 126, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 126, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 126, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 126, 160);  
box-shadow:4px 4px 4px 4px rgb(98, 126,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8430, 20.0564, 36.1359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 126, 160) }
```

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

```
.background{ background-color: rgb(98, 126,  
160) }
```

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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