

Converting Colors

XYZ(18.6051, 20.0686, 36.7760)

Have a look what the booklet for
XYZ(18.6051, 20.0686, 36.7760)
contains.

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Color

**XYZ(18.6385, 20.1316,
36.6217)**

Conversions

Conversions Part 1

Format	Color
Hex	5E7FA1
RGB	94, 127, 161
RGB Percent	37%, 50%, 63%
CMY	0.6314, 0.5020, 0.3686
CMYK	0.42, 0.21, 0.00, 0.37
HSL	210°, 26%, 50%
HSV	210°, 42%, 63%
XYZ	18.6385, 20.1316, 36.6217
YIQ	121.0090, -30.5820, 3.5780

Conversions

Conversions Part 2

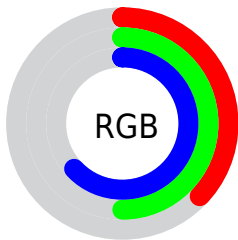
Format	Color
R _Y B	94, 116, 161
Decimal	6193057
CIE Lab	51.99, -2.55, -21.87
CIE LCh	52, 22.020, 263.339
Yxy	20.1316, 0.2472, 0.2670
Android (android.graphics.Color)	4284383137 (0xFF5E7FA1)
YUV	121.0090, 19.7156, -23.6869
Hunter-Lab	44.8683, -4.3696, -16.9850

Details

The XYZ color **18.6385, 20.1316, 36.6217** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **24.4381, 23.8243, 13.9010**, and the grayscale version is **18.1228, 19.0666, 20.7635**.

A 20% lighter version of the original color is **40.7485, 43.8034, 71.2730**, and **6.4396, 7.0451, 15.4884** is the 20% darker color. If you saturate the color by 10%, you get **16.1439, 17.3425, 36.2152**, and if you desaturate by 10%, it is **21.5644, 23.2709, 37.0738**.

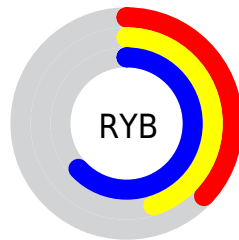
Distribution



Red (37%)

Green (50%)

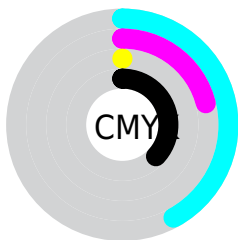
Blue (63%)



Red (37%)

Yellow (45%)

Blue (63%)

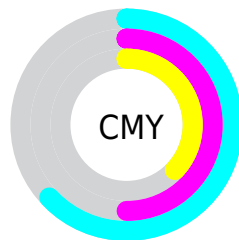


Cyan (42%)

Magenta (21%)

Yellow (0%)

Black (37%)



Cyan (63%)

Magenta (50%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6385, 20.1316, 36.6217 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 18.6385, 20.1316, 36.6217 by changing the saturation by 10% instead.

■ 18.6385, 20.1316,
36.6217

■ 18.6385, 20.1316,
36.6217

237.4224,
252.6267, 346.7890

■ 11.5118, 12.4907,
24.6212

■ 40.6440, 43.6377,
71.1704

■ 6.4820, 7.0788,
15.5786

■ 56.2534, 60.2718,
94.5557

■ 3.1838, 3.5114,
9.0754

■ 75.4212, 80.6723,
122.5730

■ 1.2517, 1.4042,
4.6929

■ 98.5127, 105.2238,
155.6409

■ 0.1466, 0.2198,
2.0127

125.8932,
134.3106, 194.1779

■ 0.0000, 0.0000,
0.5630

157.9281,

■ 0.0000, 0.0000,

168.3170, 238.6026

0.0000

194.9827,
207.6276, 289.3334

■ 18.6385, 20.1316,
36.6217

■ 18.6385, 20.1316,
36.6217

■ 16.1439, 17.3425,
36.2152

■ 21.5644, 23.2709,
37.0738

■ 14.0550, 14.8862,
35.8512

■ 24.9413, 26.7722,
37.5716

■ 12.3463, 12.7468,
35.5283

■ 28.7899, 30.6495,
38.1172

■ 10.9883, 10.9060,
35.2445

■ 33.1291, 34.9151,
38.7118

■ 9.9464, 9.3424,
34.9977

■ 37.9766, 39.5809,
39.3569

■ 9.2507, 8.2084,
34.8154

■ 43.3493, 44.6581,
40.0537

■ 49.2633, 50.1574,
40.8035

■ 55.7338, 56.0893,
41.6075

■ 62.7755, 62.4636,
42.4667

Harmonies

Analogous

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



16.6728, 20.1316, 33.3979



18.6385, 20.1316, 36.6217



20.8947, 20.1316, 35.3314

Triad

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



18.6385, 20.1316, 36.6217



23.3745, 20.1316, 17.3810



15.8787, 20.1316, 15.3404

Complementary

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



18.6385, 20.1316, 36.6217



24.4381, 23.8243, 13.9010

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.



17.4760, 20.1316, 12.4213



18.6385, 20.1316, 36.6217



21.8272, 20.1316, 13.4286

Square

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



18.6385, 20.1316, 36.6217



23.7465, 20.1316, 23.3842



19.6392, 20.1316, 11.7969



15.1620, 20.1316, 20.5180

Rectangle

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



18.6385, 20.1316, 36.6217



22.2502, 20.1316, 32.1880



19.6392, 20.1316, 11.7969



16.3242, 20.1316, 14.1069

Sweetspot

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



18.6392, 20.1324, 36.6222



51.1128, 54.4452, 68.2016



21.2250, 29.4153, 24.8097



11.0207, 11.7520, 14.9312



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.



18.6392, 20.1324, 36.6222



29.1900, 31.3764, 64.9043



15.0525, 12.9591, 35.4266



6.9750, 7.4091, 8.9655



7.4288, 6.6371, 27.8193



0.2034, 0.2340, 0.6003

Inverse Universe

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



22.5320, 17.1155, 22.1954



37.3332, 25.9834, 34.5200



29.4637, 33.8754, 15.5761



7.2124, 7.1414, 8.1048



12.8952, 6.5141, 6.6387



0.2948, 0.1464, 0.2652

Previews

White Background



This preview shows how the XYZ color 18.6385, 20.1316, 36.6217 looks on a white background.

Color Contrast Check

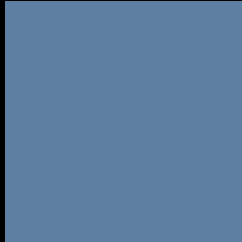
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.6385, 20.1316, 36.6217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

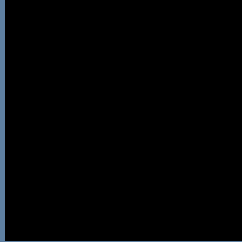
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.6385, 20.1316, 36.6217

Background



This preview shows how black text looks on a background with the XYZ color 18.6385, 20.1316, 36.6217.

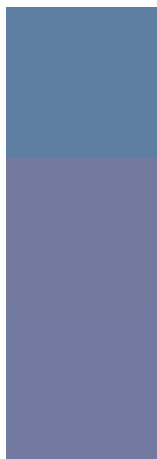


This preview shows how white text looks on a background with the XYZ color 18.6385, 20.1316,

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

18.6385, 20.1316, 36.6217

Protanopia

20.2013, 20.0325, 35.1497

Deuteranopia

20.5514, 20.1725, 36.9929



Tritanopia

17.0438, 20.2795, 28.2153

Trichromacy



Original Color

18.6385, 20.1316, 36.6217

Protanomaly

19.5291, 20.0443, 35.6405

Deuteranomaly

19.7926, 20.1497, 37.0285

Tritanomaly

17.6423, 20.3275, 31.0107

Monochromacy



Original Color

18.6385, 20.1316, 36.6217

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.0824, 19.3230, 26.0692

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6385, 20.1316, 36.6217 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(94, 127, 161)` looks like.

```
.text, #text, p{  
    color:rgb(94, 127, 161)  
}
```

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(94, 127, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 127, 161) }
```

Border

The CSS property to change the border of an element to XYZ 18.6385, 20.1316, 36.6217 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(94, 127, 161) }
```


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

```
.border{ border-color:rgb(94, 127, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 127, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 127, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 127, 161);  
box-shadow:4px 4px 4px 4px rgb(94, 127,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6385, 20.1316, 36.6217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 127, 161) }
```

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

```
.background{ background-color: rgb(94, 127,  
161) }
```

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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