

Converting Colors

XYZ(18.8280, 20.0981, 33.5637)

Have a look what the booklet for
XYZ(18.8280, 20.0981, 33.5637)
contains.

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Color

**XYZ(18.7731, 20.0796,
33.4581)**

Conversions

Conversions Part 1

Format	Color
Hex	667E9A
RGB	102, 126, 154
RGB Percent	40%, 49%, 60%
CMY	0.6000, 0.5059, 0.3961
CMYK	0.34, 0.18, 0.00, 0.40
HSL	212°, 20%, 50%
HSV	212°, 34%, 60%
XYZ	18.7731, 20.0796, 33.4581
YIQ	122.0160, -23.2920, 3.6200

Conversions

Conversions Part 2

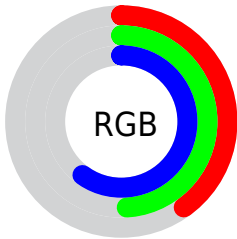
Format	Color
R_{YB}	102, 118, 154
Decimal	6717082
CIE _{Lab}	51.93, -1.60, -17.85
CIE _{LCh}	52, 17.918, 264.864
Y _{xy}	20.0796, 0.2596, 0.2777
Android (android.graphics.Color)	4284907162 (0xFF667E9A)
YUV	122.0160, 15.7681, -17.5540
Hunter-Lab	44.8103, -3.6360, -12.9024

Details

The XYZ color **18.7731, 20.0796, 33.4581** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **23.7077, 23.7949, 15.9144**, and the grayscale version is **18.4600, 19.4214, 21.1499**.

A 20% lighter version of the original color is **40.8317, 43.6643, 65.9505**, and **6.5182, 7.0171, 13.8428** is the 20% darker color. If you saturate the color by 10%, you get **16.1706, 17.2290, 33.0454**, and if you desaturate by 10%, it is **21.7890, 23.2747, 33.9162**.

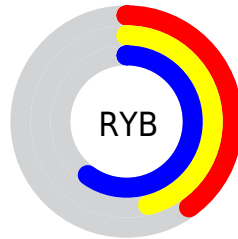
Distribution



Red (40%)

Green (49%)

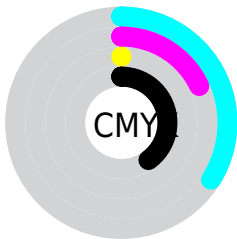
Blue (60%)



Red (40%)

Yellow (46%)

Blue (60%)

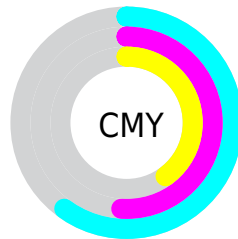


Cyan (34%)

Magenta (18%)

Yellow (0%)

Black (40%)



Cyan (60%)

Magenta (51%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7731, 20.0796, 33.4581 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 18.7731, 20.0796, 33.4581 by changing the saturation by 10% instead.

■ 18.7731, 20.0796,
33.4581

■ 18.7731, 20.0796,
33.4581

238.1555,
252.3457, 332.4040

■ 11.6095, 12.4529,
22.2036

■ 40.8702, 43.5506,
66.2143

■ 6.5486, 7.0529,
13.8069

■ 56.5343, 60.1637,
88.5531

■ 3.2253, 3.4952,
7.8492

■ 75.7627, 80.5411,
115.4238

■ 1.2740, 1.3954,
3.9122

■ 98.9207, 105.0671,
147.2449

■ 0.1636, 0.2133,
1.5773

126.3736,
134.1262, 184.4349

■ 0.0000, 0.0000,
0.2746

158.4868,

■ 0.0000, 0.0000,

168.1027, 227.4124

0.0000

195.6257,
207.3811, 276.5959

■ 18.7731, 20.0796,
33.4581

■ 18.7731, 20.0796,
33.4581

■ 16.1706, 17.2290,
33.0454

■ 21.7890, 23.2747,
33.9162

■ 13.9596, 14.7071,
32.6752

■ 25.2351, 26.8247,
34.4198

■ 12.1186, 12.5001,
32.3462

■ 29.1294, 30.7422,
34.9707

■ 10.6234, 10.5919,
32.0567

■ 33.4883, 35.0385,
35.5702

■ 9.4463, 8.9649,
31.8047

■ 38.3276, 39.7246,
36.2197

■ 8.5547, 7.5984,
31.5879

■ 43.6619, 44.8106,
36.9202

■ 8.0911, 6.8497,
31.4678

■ 49.5054, 50.3065,
37.6731

■ 55.8717, 56.2218,
38.4793

■ 62.7739, 62.5658,
39.3400

Harmonies

Analogous

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



17.1387, 20.0796, 31.1392



18.7731, 20.0796, 33.4581



20.5965, 20.0796, 32.2903

Triad

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



18.7731, 20.0796, 33.4581



22.4439, 20.0796, 17.9096



16.3607, 20.0796, 16.5816

Complementary

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



18.7731, 20.0796, 33.4581



23.7077, 23.7949, 15.9144

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.



17.6494, 20.0796, 13.9640



18.7731, 20.0796, 33.4581



21.1735, 20.0796, 14.6409

Square

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



18.7731, 20.0796, 33.4581



22.7919, 20.0796, 22.7740



19.4005, 20.0796, 13.3144



15.8036, 20.0796, 20.9772

Rectangle

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



18.7731, 20.0796, 33.4581



21.6650, 20.0796, 29.7749



19.4005, 20.0796, 13.3144



16.7185, 20.0796, 15.4942

Sweetspot

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



18.7737, 20.0804, 33.4586



48.2676, 51.1876, 62.8725



21.0470, 27.5410, 25.2326



10.7206, 11.3793, 14.2018



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.



18.7737, 20.0804, 33.4586



30.2367, 32.2562, 60.1687



16.2627, 14.7636, 32.5647



6.1076, 6.4726, 7.8564



6.6271, 5.6508, 25.6491



0.1349, 0.1562, 0.3954

Inverse Universe

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



21.8442, 17.8798, 22.0393



36.8721, 28.0728, 35.3633



26.9531, 30.7720, 17.0901



6.3214, 6.2677, 7.0729



11.8038, 5.9758, 5.4919



0.1946, 0.0966, 0.1774

Previews

White Background



This preview shows how the XYZ color 18.7731, 20.0796, 33.4581 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 18.7731, 20.0796, 33.4581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

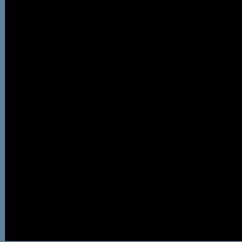
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

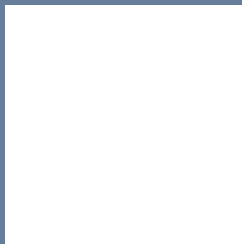
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.7731, 20.0796, 33.4581

Background



This preview shows how black text looks on a background with the XYZ color 18.7731, 20.0796, 33.4581.



This preview shows how white text looks on a background with the XYZ color 18.7731, 20.0796,

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

18.7731, 20.0796, 33.4581

Protanopia

19.8816, 19.9353, 32.0782

Deuteranopia

20.3615, 19.9632, 33.7905



Tritanopia

17.5475, 20.1613, 27.3928

Trichromacy



Original Color

18.7731, 20.0796, 33.4581

Protanomaly

19.4325, 19.8777, 32.5183

Deuteranomaly

19.8094, 20.0432, 33.8350

Tritanomaly

17.8988, 20.1046, 29.3228

Monochromacy



Original Color

18.7731, 20.0796, 33.4581

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.4563, 19.5320, 25.3516

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7731, 20.0796, 33.4581 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, 126, 154)` looks like.

```
.text, #text, p{  
    color:rgb(102, 126, 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(102, 126, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 126, 154) }
```

Border

The CSS property to change the border of an element to XYZ 18.7731, 20.0796, 33.4581 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, 126, 154) }
```


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

```
.border{ border-color:rgb(102, 126, 154) }
```

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

Here you see how a box with a 4 pixel rgb(102, 126, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 126, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 126, 154);  
box-shadow:4px 4px 4px 4px rgb(102, 126,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7731, 20.0796, 33.4581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 126, 154) }
```

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

```
.background{ background-color: rgb(102,  
126, 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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