

Converting Colors

XYZ(18.8575, 20.0609, 34.0642)

Have a look what the booklet for
XYZ(18.8575, 20.0609, 34.0642)
contains.

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Color

**XYZ(18.8567, 20.1130,
33.8987)**

Conversions

Conversions Part 1

Format	Color
Hex	667E9B
RGB	102, 126, 155
RGB Percent	40%, 49%, 61%
CMY	0.6000, 0.5059, 0.3922
CMYK	0.34, 0.19, 0.00, 0.39
HSL	213°, 21%, 50%
HSV	213°, 34%, 61%
XYZ	18.8567, 20.1130, 33.8987
YIQ	122.1300, -23.6130, 3.9310

Conversions

Conversions Part 2

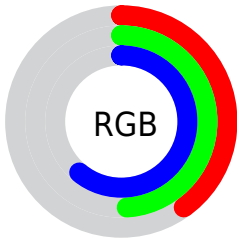
Format	Color
R_{YB}	102, 119, 155
Decimal	6717083
CIE _{Lab}	51.96, -1.33, -18.37
CIE _{LCh}	52, 18.419, 265.845
Yxy	20.1130, 0.2588, 0.2760
Android (android.graphics.Color)	4284907163 (0xFF667E9B)
YUV	122.1300, 16.2049, -17.6540
Hunter-Lab	44.8475, -3.4306, -13.4220

Details

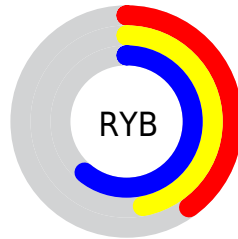
The XYZ color **18.8567, 20.1130, 33.8987** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **24.0325, 24.1608, 15.9678**, and the grayscale version is **18.4958, 19.4591, 21.1909**.

A 20% lighter version of the original color is **41.0794, 43.7634, 67.2548**, and **6.5687, 7.0373, 14.1088** is the 20% darker color. If you saturate the color by 10%, you get **16.2228, 17.2133, 33.4782**, and if you desaturate by 10%, it is **21.9123, 23.3675, 34.3662**.

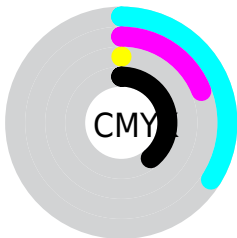
Distribution



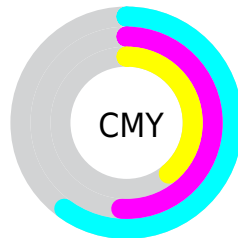
- Red (40%)
- Green (49%)
- Blue (61%)



- Red (40%)
- Yellow (47%)
- Blue (61%)



- Cyan (34%)
- Magenta (19%)
- Yellow (0%)
- Black (39%)



- Cyan (60%)
- Magenta (51%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8567, 20.1130, 33.8987 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 18.8567, 20.1130, 33.8987 by changing the saturation by 10% instead.

■ 18.8567, 20.1130,
33.8987

■ 18.8567, 20.1130,
33.8987

238.6098,
252.5262, 334.4355

■ 11.6702, 12.4772,
22.5391

■ 41.0106, 43.6066,
66.9082

■ 6.5901, 7.0696,
14.0514

■ 56.7086, 60.2331,
89.3951

■ 3.2511, 3.5056,
8.0173

■ 75.9745, 80.6254,
116.4283

■ 1.2879, 1.4011,
4.0181

■ 99.1737, 105.1678,
148.4261

■ 0.1742, 0.2175,
1.6353

126.6715,
134.2446, 185.8072

■ 0.0000, 0.0000,
0.3158

158.8332,

■ 0.0000, 0.0000,

168.2404, 228.9901

0.0000

196.0242,
207.5395, 278.3934

■ 18.8567, 20.1130,
33.8987

■ 18.8567, 20.1130,
33.8987

■ 16.2228, 17.2133,
33.4782

■ 21.9123, 23.3675,
34.3662

■ 13.9881, 14.6521,
33.1016

■ 25.4068, 26.9875,
34.8807

■ 12.1307, 12.4151,
32.7677

■ 29.3587, 30.9862,
35.4443

■ 10.6256, 10.4856,
32.4746

■ 33.7848, 35.3754,
36.0582

■ 9.4444, 8.8453,
32.2203

■ 38.7012, 40.1661,
36.7238

■ 8.5531, 7.4726,
32.0023

■ 44.1229, 45.3691,
37.4423

■ 8.1186, 6.7709,
31.8897

■ 50.0644, 50.9947,
38.2150

■ 56.5398, 57.0526,
39.0430

■ 63.5623, 63.5525,
39.9275

Harmonies

Analogous

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



17.1629, 20.1130, 31.6053



18.8567, 20.1130, 33.8987



20.7322, 20.1130, 32.5706

Triad

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



18.8567, 20.1130, 33.8987



22.5492, 20.1130, 17.6992



16.2854, 20.1130, 16.5982

Complementary

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



18.8567, 20.1130, 33.8987



24.0325, 24.1608, 15.9678

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.



17.5876, 20.1130, 13.8583



18.8567, 20.1130, 33.8987



21.2136, 20.1130, 14.4172

Square

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



18.8567, 20.1130, 33.8987



22.9435, 20.1130, 22.6565



19.3793, 20.1130, 13.1301



15.7412, 20.1130, 21.1598

Rectangle

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



18.8567, 20.1130, 33.8987



21.8223, 20.1130, 29.9100



19.3793, 20.1130, 13.1301



16.6447, 20.1130, 15.4647

Sweetspot

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



18.8573, 20.1138, 33.8992



48.2295, 51.1113, 62.8598



21.2485, 27.8868, 25.4763



10.7110, 11.3600, 14.1985



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.



18.8573, 20.1138, 33.8992



30.1154, 32.0136, 60.1283



16.3502, 14.7990, 33.0055



6.1033, 6.4640, 7.8550



6.5580, 5.5128, 25.6261



0.1337, 0.1538, 0.3950

Inverse Universe

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



22.0354, 17.9782, 22.0482



36.8108, 28.0483, 35.0408



27.3010, 31.1974, 17.1537



6.3193, 6.2669, 7.0613



11.7690, 5.9618, 5.3084



0.1940, 0.0963, 0.1742

Previews

White Background



This preview shows how the XYZ color 18.8567, 20.1130, 33.8987 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 18.8567, 20.1130, 33.8987 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 18.8567, 20.1130, 33.8987

Background



This preview shows how black text looks on a background with the XYZ color 18.8567, 20.1130, 33.8987.



This preview shows how white text looks on a background with the XYZ color 18.8567, 20.1130,

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

18.8567, 20.1130, 33.8987

Protanopia

19.9631, 19.9680, 32.5078

Deuteranopia

20.4459, 19.9970, 34.2347



Tritanopia

17.5475, 20.1613, 27.3928

Trichromacy



Original Color

18.8567, 20.1130, 33.8987

Protanomaly

19.5148, 19.9106, 32.9516

Deuteranomaly

19.8938, 20.0769, 34.2792

Tritanomaly

17.9756, 20.1353, 29.7272

Monochromacy



Original Color

18.8567, 20.1130, 33.8987

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 18.8567, 20.1130, 33.8987 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, 155)` looks like.

```
.text, #text, p{  
    color:rgb(102, 126, 155)  
}
```

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, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 126, 155) }
```

Border

The CSS property to change the border of an element to XYZ 18.8567, 20.1130, 33.8987 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, 155) }
```


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

```
.border{ border-color:rgb(102, 126, 155) }
```

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, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 126, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 126, 155);  
box-shadow:4px 4px 4px 4px rgb(102, 126,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8567, 20.1130, 33.8987 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, 155) }
```

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

```
.background{ background-color: rgb(102,  
126, 155) }
```

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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