

Converting Colors

XYZ(18.4427, 19.6120, 33.7452)

Have a look what the booklet for
XYZ(18.4427, 19.6120, 33.7452)
contains.

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Color

**XYZ(18.3796, 19.4912,
33.8038)**

Conversions

Conversions Part 1

Format	Color
Hex	647C9B
RGB	100, 124, 155
RGB Percent	39%, 49%, 61%
CMY	0.6078, 0.5137, 0.3922
CMYK	0.35, 0.20, 0.00, 0.39
HSL	214°, 22%, 50%
HSV	214°, 35%, 61%
XYZ	18.3796, 19.4912, 33.8038
YIQ	120.3580, -24.2550, 4.5530

Conversions

Conversions Part 2

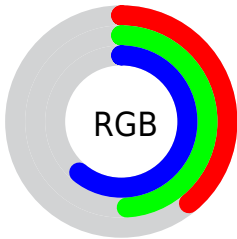
Format	Color
R_{YB}	100, 117, 155
Decimal	6585499
CIE _{Lab}	51.26, -0.76, -19.46
CIE _{LCh}	51, 19.480, 267.750
Yxy	19.4912, 0.2564, 0.2719
Android (android.graphics.Color)	4284775579 (0xFF647C9B)
YUV	120.3580, 17.0785, -17.8540
Hunter-Lab	44.1488, -2.9491, -14.4929

Details

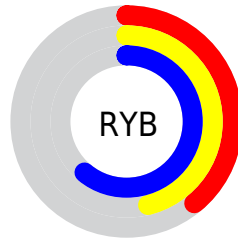
The XYZ color **18.3796, 19.4912, 33.8038** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **23.9345, 24.1217, 15.4517**, and the grayscale version is **17.9203, 18.8536, 20.5315**.

A 20% lighter version of the original color is **40.1071, 42.3792, 67.0389**, and **6.3302, 6.7097, 14.0582** is the 20% darker color. If you saturate the color by 10%, you get **15.7789, 16.5969, 33.3826**, and if you desaturate by 10%, it is **21.4048, 22.7492, 34.2735**.

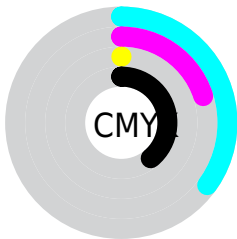
Distribution



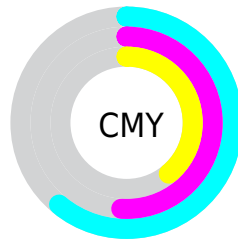
- Red (39%)
- Green (49%)
- Blue (61%)



- Red (39%)
- Yellow (46%)
- Blue (61%)



- Cyan (35%)
- Magenta (20%)
- Yellow (0%)
- Black (39%)



- Cyan (61%)
- Magenta (51%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3796, 19.4912, 33.8038 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 18.3796, 19.4912, 33.8038 by changing the saturation by 10% instead.

■ 18.3796, 19.4912,
33.8038

■ 18.3796, 19.4912,
33.8038

236.0065,
249.1472, 333.9987

■ 11.3242, 12.0257,
22.4668

■ 40.2081, 42.5625,
66.7588

■ 6.3542, 6.7612,
13.9987

■ 55.7120, 58.9371,
89.2140

■ 3.1043, 3.3132,
7.9810

■ 74.7627, 79.0502,
116.2122

■ 1.2092, 1.2974,
3.9952

■ 97.7256, 103.2862,
148.1720

■ 0.1136, 0.1392,
1.6227

124.9661,
132.0295, 185.5121

■ 0.0000, 0.0000,
0.3069

156.8495,

■ 0.0000, 0.0000,

165.6645, 228.6508

0.0000

193.7411,
204.5756, 278.0069

■ 18.3796, 19.4912,
33.8038

■ 18.3796, 19.4912,
33.8038

■ 15.7789, 16.5969,
33.3826

■ 21.4048, 22.7492,
34.2735

■ 13.5797, 14.0495,
33.0068

■ 24.8720, 26.3822,
34.7921

■ 11.7596, 11.8339,
32.6751

■ 28.8002, 30.4039,
35.3613

■ 10.2930, 9.9330,
32.3854

■ 33.2064, 34.8265,
35.9827

■ 9.1507, 8.3274,
32.1357

■ 38.1070, 39.6615,
36.6576

■ 8.2947, 6.9930,
31.9233

■ 43.5174, 44.9200,
37.3875

■ 7.9618, 6.4572,
31.8374

■ 49.4522, 50.6128,
38.1735

■ 55.9258, 56.7501,
39.0169

■ 62.9516, 63.3417,
39.9189

Harmonies

Analogous

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



16.6037, 19.4912, 31.6138



18.3796, 19.4912, 33.8038



20.3196, 19.4912, 32.1645

Triad

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



18.3796, 19.4912, 33.8038



22.0312, 19.4912, 16.6220



15.5435, 19.4912, 16.0118

Complementary

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



18.3796, 19.4912, 33.8038



23.9345, 24.1217, 15.4517

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.



16.8408, 19.4912, 13.0949



18.3796, 19.4912, 33.8038



20.5908, 19.4912, 13.4015

Square

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



18.3796, 19.4912, 33.8038



22.5135, 19.4912, 21.6452



18.6728, 19.4912, 12.2291



15.0392, 19.4912, 20.8056

Rectangle

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



18.3796, 19.4912, 33.8038



21.4299, 19.4912, 29.2564



18.6728, 19.4912, 12.2291



15.8967, 19.4912, 14.8132

Sweetspot

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



18.3802, 19.4920, 33.8043



47.4423, 50.2347, 62.7321



21.0235, 27.7709, 25.4600



10.5429, 11.1697, 14.1707



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.



18.3802, 19.4920, 33.8043



28.9733, 30.5318, 59.9025



16.0391, 14.3504, 32.9352



6.0951, 6.4476, 7.8522



6.4316, 5.2599, 25.5840



0.1314, 0.1492, 0.3942

Inverse Universe

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



21.7134, 17.5388, 21.3105



36.0385, 26.9895, 33.2856



27.0177, 31.0627, 16.6290



6.3151, 6.2652, 7.0396



11.7051, 5.9363, 4.9723



0.1928, 0.0959, 0.1681

Previews

White Background



This preview shows how the XYZ color 18.3796, 19.4912, 33.8038 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 18.3796, 19.4912, 33.8038 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

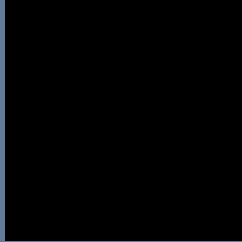
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

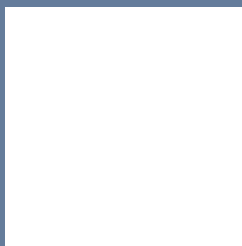
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.3796, 19.4912, 33.8038

Background



This preview shows how black text looks on a background with the XYZ color 18.3796, 19.4912, 33.8038.

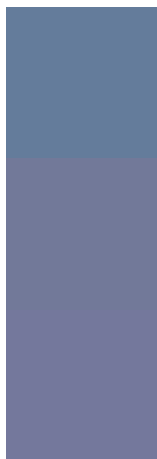


This preview shows how white text looks on a background with the XYZ color 18.3796, 19.4912,

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

18.3796, 19.4912, 33.8038

Protanopia

19.5266, 19.5521, 32.8818

Deuteranopia

19.9197, 19.5462, 34.1754



Tritanopia

16.9286, 19.4717, 26.5331

Trichromacy



Original Color

18.3796, 19.4912, 33.8038

Protanomaly

19.0989, 19.5034, 33.3298

Deuteranomaly

19.2685, 19.3900, 34.1796

Tritanomaly

17.4247, 19.4767, 29.2266

Monochromacy



Original Color

18.3796, 19.4912, 33.8038

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.8811, 18.8789, 24.8919

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3796, 19.4912, 33.8038 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(100, 124, 155)` looks like.

```
.text, #text, p{  
    color:rgb(100, 124, 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(100, 124, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 124, 155) }
```

Border

The CSS property to change the border of an element to XYZ 18.3796, 19.4912, 33.8038 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(100, 124, 155) }
```


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

```
.border{ border-color:rgb(100, 124, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 124, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 124, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 124, 155);  
box-shadow:4px 4px 4px 4px rgb(100, 124,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3796, 19.4912, 33.8038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 124, 155) }
```

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

```
.background{ background-color: rgb(100,  
124, 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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