

Converting Colors

XYZ(17.7711, 19.2865, 38.7427)

Have a look what the booklet for
XYZ(17.7711, 19.2865, 38.7427)
contains.

XYZ(17.7838, 19.2594, 38.8565)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(17.7838, 19.2594,
38.8565)**

Conversions

Conversions Part 1

Format	Color
Hex	537DA6
RGB	83, 125, 166
RGB Percent	33%, 49%, 65%
CMY	0.6745, 0.5098, 0.3490
CMYK	0.50, 0.25, 0.00, 0.35
HSL	210°, 33%, 49%
HSV	210°, 50%, 65%
XYZ	17.7838, 19.2594, 38.8565
YIQ	117.1160, -38.1930, 3.8470

Conversions

Conversions Part 2

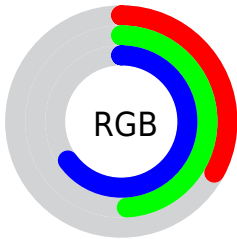
Format	Color
RYP	83, 111, 166
Decimal	5471654
CIELab	50.99, -2.77, -26.36
CIElCh	51, 26.508, 264.003
Yxy	19.2594, 0.2343, 0.2537
Android (android.graphics.Color)	4283661734 (0xFF537DA6)
YUV	117.1160, 24.0998, -29.9197
Hunter-Lab	43.8855, -4.4659, -21.7758

Details

The XYZ color **17.7838, 19.2594, 38.8565** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **24.4954, 23.1475, 11.3612**, and the grayscale version is **16.8812, 17.7603, 19.3410**.

A 20% lighter version of the original color is **39.0898, 41.9831, 74.4499**, and **6.0477, 6.6034, 16.8754** is the 20% darker color. If you saturate the color by 10%, you get **15.4953, 16.6020, 38.4646**, and if you desaturate by 10%, it is **20.5100, 22.2704, 39.2944**.

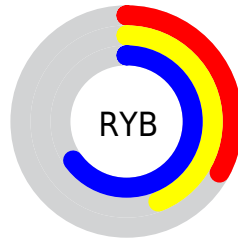
Distribution



Red (33%)

Green (49%)

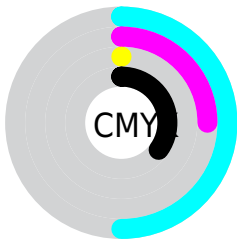
Blue (65%)



Red (33%)

Yellow (44%)

Blue (65%)

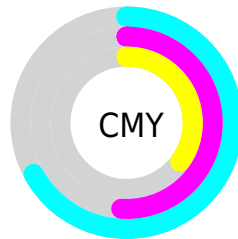


Cyan (50%)

Magenta (25%)

Yellow (0%)

Black (35%)



Cyan (67%)

Magenta (51%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7838, 19.2594, 38.8565 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 17.7838, 19.2594, 38.8565 by changing the saturation by 10% instead.

■ 17.7838, 19.2594,
38.8565

■ 17.7838, 19.2594,
38.8565

232.7188,
247.8771, 356.6877

■ 10.8936, 11.8579,
26.3411

■ 39.2016, 42.1720,
74.6370

■ 6.0621, 6.6470,
16.8510

■ 54.4599, 58.4518,
98.7392

■ 2.9239, 3.2423,
9.9675

■ 73.2382, 78.4598,
127.5407

■ 1.1136, 1.2595,
5.2721

■ 95.9020, 102.5805,
161.4602

■ 0.0365, 0.1095,
2.3462

■ 122.8167,
131.1981, 200.9160

■ 0.0000, 0.0000,
0.7570

154.3474,

■ 0.0000, 0.0000,

164.6972, 246.3269

0.0000

190.8597,
203.4620, 298.1113

■ 17.7838, 19.2594,
38.8565

■ 17.7838, 19.2594,
38.8565

■ 15.4953, 16.6020,
38.4646

■ 20.5100, 22.2704,
39.2944

■ 13.6150, 14.2789,
38.1152

■ 23.6968, 25.6487,
39.7785

■ 12.1125, 12.2715,
37.8070

■ 27.3679, 29.4097,
40.3109

■ 10.9518, 10.5581,
37.5374

■ 31.5444, 33.5671,
40.8933

■ 10.0535, 9.0942,
37.3022

■ 36.2463, 38.1338,
41.5269

■ 10.0534, 9.0939,
37.3022

■ 41.4925, 43.1223,
42.2133

■ 47.3008, 48.5441,
42.9537

■ 53.6882, 54.4107,
43.7494

■ 60.6710, 60.7327,
44.6016

Harmonies

Analogous

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



15.4994, 19.2594, 34.9548



17.7838, 19.2594, 38.8565



20.4338, 19.2594, 37.1187

Triad

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



17.7838, 19.2594, 38.8565



23.3080, 19.2594, 15.6282



14.5221, 19.2594, 13.5774

Complementary

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



17.7838, 19.2594, 38.8565



24.4954, 23.1475, 11.3612

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.



16.3303, 19.2594, 10.3525



17.7838, 19.2594, 38.8565



21.4313, 19.2594, 11.3236

Square

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



17.7838, 19.2594, 38.8565



23.7911, 19.2594, 22.5152



18.8373, 19.2594, 9.6390



13.7354, 19.2594, 19.4976

Rectangle

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



17.7838, 19.2594, 38.8565



22.0359, 19.2594, 33.1647



18.8373, 19.2594, 9.6390



15.0218, 19.2594, 12.2048

Sweetspot

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



17.7845, 19.2601, 38.8570



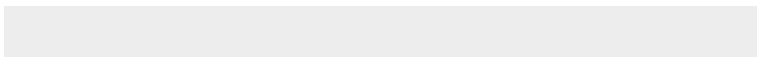
53.1304, 56.8452, 73.6472



20.7865, 30.5449, 23.5781



11.5511, 12.3827, 16.4334



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



17.7845, 19.2601, 38.8570



27.7053, 29.6305, 69.7343



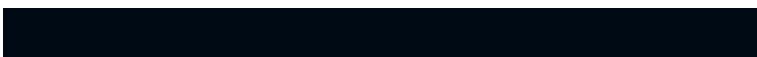
13.6510, 10.9932, 37.4791



7.4338, 7.9044, 9.5522



7.8427, 7.1456, 28.9414



0.2419, 0.2760, 0.7212

Inverse Universe

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



22.5214, 15.7748, 21.2606



37.6342, 23.7650, 32.5281



30.6737, 35.5041, 13.4206



7.6835, 7.6033, 8.6507



13.4592, 6.7924, 7.2298



0.3533, 0.1756, 0.3117

Previews

White Background



This preview shows how the XYZ color 17.7838, 19.2594, 38.8565 looks on a white background.

Color Contrast Check

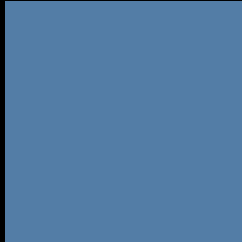
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.7838, 19.2594, 38.8565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

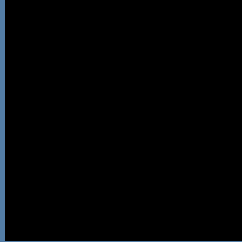
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.7838, 19.2594, 38.8565

Background



This preview shows how black text looks on a background with the XYZ color 17.7838, 19.2594, 38.8565.

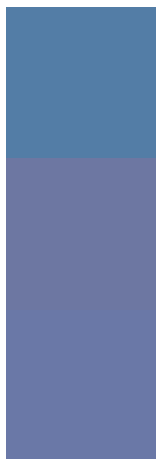


This preview shows how white text looks on a background with the XYZ color 17.7838, 19.2594,

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

17.7838, 19.2594, 38.8565

Protanopia

19.4251, 19.0535, 36.8363

Deuteranopia

19.6354, 19.2871, 39.2471



Tritanopia

15.6179, 19.3546, 27.7236

Trichromacy



Original Color

17.7838, 19.2594, 38.8565

Protanomaly

18.7038, 19.0284, 37.3374

Deuteranomaly

18.9716, 19.3058, 39.2857

Tritanomaly

16.2859, 19.2280, 31.2868

Monochromacy



Original Color

17.7838, 19.2594, 38.8565

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.9153, 18.1855, 25.5403

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7838, 19.2594, 38.8565 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(83, 125, 166)` looks like.

```
.text, #text, p{  
    color:rgb(83, 125, 166)  
}
```

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(83, 125, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 125, 166) }
```

Border

The CSS property to change the border of an element to XYZ 17.7838, 19.2594, 38.8565 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(83, 125, 166) }
```


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

```
.border{ border-color:rgb(83, 125, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 125, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(83, 125, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(83, 125, 166); box-shadow:4px 4px 4px 4px rgb(83, 125, 166) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7838, 19.2594, 38.8565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 125, 166) }
```

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

```
.background{ background-color: rgb(83, 125,  
166) }
```

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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