

Converting Colors

XYZ(19.7889, 19.2876, 59.1798)

Have a look what the booklet for
XYZ(19.7889, 19.2876, 59.1798)
contains.

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Color

**XYZ(19.7889, 19.2876,
59.1798)**

Conversions

Conversions Part 1

Format	Color
Hex	3F7ACB
RGB	63, 122, 203
RGB Percent	25%, 48%, 80%
CMY	0.7529, 0.5216, 0.2039
CMYK	0.69, 0.40, 0.00, 0.20
HSL	215°, 57%, 52%
HSV	215°, 69%, 80%
XYZ	19.7889, 19.2876, 59.1798
YIQ	113.5930, -61.1650, 12.6830

Conversions

Conversions Part 2

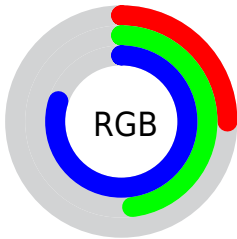
Format	Color
R _Y B	63, 105, 203
Decimal	4160203
CIE Lab	51.02, 7.46, -47.66
CIE LCh	51, 48.243, 278.892
Yxy	19.2876, 0.2014, 0.1963
Android (android.graphics.Color)	4282350283 (0xFF3F7ACB)
YUV	113.5930, 44.0777, -44.3701
Hunter-Lab	43.9177, 3.5746, -49.1520

Details

The XYZ color **19.7889, 19.2876, 59.1798** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark muted azure. A complement of this color would be **35.5007, 33.0045, 9.2033**, and the grayscale version is **15.7591, 16.5798, 18.0554**.

A 20% lighter version of the original color is **41.6435, 41.8521, 100.4912**, and **7.7941, 7.0357, 28.9642** is the 20% darker color. If you saturate the color by 10%, you get **17.3672, 16.0262, 58.6784**, and if you desaturate by 10%, it is **22.8643, 23.1452, 59.7627**.

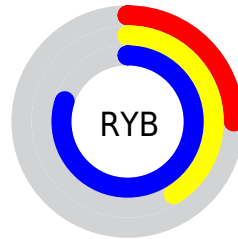
Distribution



Red (25%)

Green (48%)

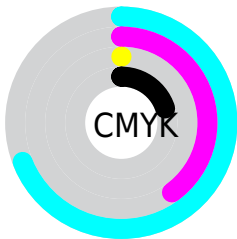
Blue (80%)



Red (25%)

Yellow (41%)

Blue (80%)

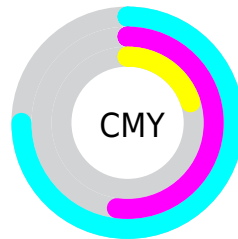


Cyan (69%)

Magenta (40%)

Yellow (0%)

Black (20%)



Cyan (75%)

Magenta (52%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7889, 19.2876, 59.1798 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 19.7889, 19.2876, 59.1798 by changing the saturation by 10% instead.

■ 19.7889, 19.2876,
59.1798

■ 19.7889, 19.2876,
59.1798

243.6254,
248.0319, 439.2883

■ 12.3491, 11.8783,
42.3369

■ 42.5696, 42.2195,
105.1706

■ 7.0558, 6.6608,
29.0377

■ 58.6412, 58.5109,
135.1557

■ 3.5436, 3.2509,
18.8635

■ 78.3208, 78.5317,
170.3585

■ 1.4473, 1.2641,
11.3959

■ 101.9736,
102.6665, 211.1976

■ 0.2896, 0.1131,
6.2163

■ 129.9652,
131.2994, 258.0916

■ 0.0000, 0.0000,
2.9061

162.6608,

■ 0.0000, 0.0000,

164.8151, 311.4591

1.0469

200.4257,
203.5978, 371.7184

■ 0.0000, 0.0000,
0.0000

■ 19.7889, 19.2876,
59.1798

■ 19.7889, 19.2876,
59.1798

■ 17.3672, 16.0262,
58.6784

■ 22.8643, 23.1452,
59.7627

■ 15.5351, 13.3182,
58.2522

■ 26.6440, 27.6331,
60.4298

■ 14.1951, 11.1037,
57.8954

■ 31.1758, 32.7847,
61.1853

■ 14.0711, 10.8949,
57.8616

■ 36.5026, 38.6298,
62.0327

■ 42.6635, 45.1963,
62.9755

■ 49.6951, 52.5105,
64.0167

■ 57.6318, 60.5971,
65.1592

■ 66.5058, 69.4796,
66.4060

■ 76.3478, 79.1804,
67.7597

Harmonies

Analogous

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



15.2198, 19.2876, 56.3364



19.7889, 19.2876, 59.1798



24.7243, 19.2876, 48.8458

Triad

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



19.7889, 19.2876, 59.1798



26.4499, 19.2876, 8.4371



11.0298, 19.2876, 12.8814

Complementary

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



19.7889, 19.2876, 59.1798



35.5007, 33.0045, 9.2033

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.



13.1494, 19.2876, 6.4605



19.7889, 19.2876, 59.1798



21.8426, 19.2876, 4.7792

Square

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



19.7889, 19.2876, 59.1798



28.9854, 19.2876, 17.1919



16.9490, 19.2876, 4.2593



10.6732, 19.2876, 25.3347

Rectangle

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



19.7889, 19.2876, 59.1798



27.3736, 19.2876, 37.7321



16.9490, 19.2876, 4.2593



11.5396, 19.2876, 10.1320

Sweetspot

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



19.7897, 19.2882, 59.1803



68.9185, 73.0199, 105.0696



28.3144, 45.7324, 33.0591



14.1227, 14.9614, 22.3934



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



19.7897, 19.2882, 59.1803



27.3856, 24.3904, 97.8722



15.2555, 9.2586, 57.4834



10.9838, 11.6080, 14.2320



9.0406, 7.1052, 36.8512



0.5410, 0.5157, 1.9260

Inverse Universe

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



29.9197, 17.6577, 20.2441



46.3185, 24.6941, 24.3490



44.4165, 54.4966, 12.8818



11.4052, 11.2908, 12.6683



16.7742, 8.5203, 6.5295



0.9030, 0.4546, 0.5350

Previews

White Background



This preview shows how the XYZ color 19.7889, 19.2876, 59.1798 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 19.7889, 19.2876, 59.1798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

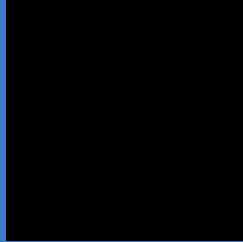
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.7889, 19.2876, 59.1798

Background



This preview shows how black text looks on a background with the XYZ color 19.7889, 19.2876, 59.1798.



This preview shows how white text looks on a background with the XYZ color 19.7889, 19.2876,

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

19.7889, 19.2876, 59.1798

Protanopia

20.8117, 19.1551, 56.6332

Deuteranopia

19.8534, 19.3209, 59.1828



Tritanopia

13.6860, 19.1203, 29.7573

Trichromacy



Original Color

19.7889, 19.2876, 59.1798

Protanomaly

20.2466, 19.0260, 57.2489

Deuteranomaly

19.8534, 19.3209, 59.1828

Tritanomaly

15.2665, 18.9251, 38.9247

Monochromacy



Original Color

19.7889, 19.2876, 59.1798

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.2689, 17.2308, 29.6625

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7889, 19.2876, 59.1798 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(63, 122, 203)` looks like.

```
.text, #text, p{  
    color:rgb(63, 122, 203)  
}
```

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(63, 122, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 122, 203) }
```

Border

The CSS property to change the border of an element to XYZ 19.7889, 19.2876, 59.1798 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(63, 122, 203) }
```


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

```
.border{ border-color:rgb(63, 122, 203) }
```

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

Here you see how a box with a 4 pixel rgb(63, 122, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 122, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 122, 203);  
box-shadow:4px 4px 4px 4px rgb(63, 122,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7889, 19.2876, 59.1798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 122, 203) }
```

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

```
.background{ background-color: rgb(63, 122,  
203) }
```

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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