

Converting Colors

XYZ(19.2471, 21.7930, 38.7894)

Have a look what the booklet for
XYZ(19.2471, 21.7930, 38.7894)
contains.

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Color

**XYZ(19.2471, 21.7930,
38.7894)**

Conversions

Conversions Part 1

Format	Color
Hex	5786A5
RGB	87, 134, 165
RGB Percent	34%, 53%, 65%
CMY	0.6588, 0.4745, 0.3529
CMYK	0.47, 0.19, 0.00, 0.35
HSL	204°, 31%, 49%
HSV	204°, 47%, 65%
XYZ	19.2471, 21.7930, 38.7894
YIQ	123.4810, -37.9630, -0.3230

Conversions

Conversions Part 2

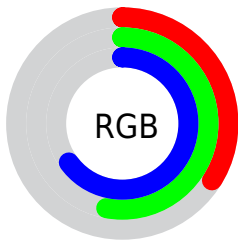
Format	Color
R _Y B	87, 116, 165
Decimal	5736101
CIE Lab	53.81, -7.28, -21.42
CIE LCh	54, 22.625, 251.243
Yxy	21.7930, 0.2411, 0.2730
Android (android.graphics.Color)	4283926181 (0xFF5786A5)
YUV	123.4810, 20.4689, -31.9938
Hunter-Lab	46.6830, -8.1008, -16.5866

Details

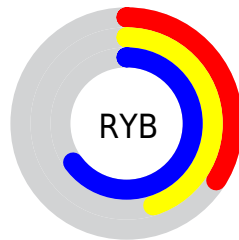
The XYZ color **19.2471, 21.7930, 38.7894** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **23.7164, 21.6451, 11.9455**, and the grayscale version is **18.9297, 19.9155, 21.6880**.

A 20% lighter version of the original color is **41.6731, 46.3707, 74.4642**, and **6.7466, 7.8400, 16.7805** is the 20% darker color. If you saturate the color by 10%, you get **17.0008, 19.3313, 38.4330**, and if you desaturate by 10%, it is **21.9032, 24.5503, 39.1820**.

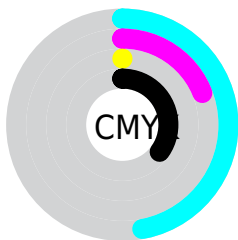
Distribution



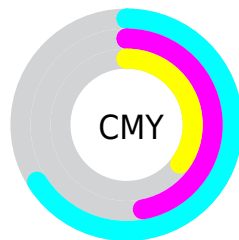
- Red (34%)
- Green (53%)
- Blue (65%)



- Red (34%)
- Yellow (45%)
- Blue (65%)



- Cyan (47%)
- Magenta (19%)
- Yellow (0%)
- Black (35%)



- Cyan (66%)
- Magenta (47%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2471, 21.7930, 38.7894 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 19.2471, 21.7930, 38.7894 by changing the saturation by 10% instead.

■ 19.2471, 21.7930,
38.7894

■ 19.2471, 21.7930,
38.7894

240.7215,
261.4634, 356.3935

■ 11.9540, 13.7049,
26.2894

■ 41.6649, 46.4036,
74.5333

■ 6.7844, 7.9157,
16.8125

■ 57.5203, 63.6949,
98.6142

■ 3.3727, 4.0410,
9.9404

■ 76.9605, 84.8227,
127.3925

■ 1.3538, 1.6966,
5.2544

■ 100.3509,
110.1715, 161.2867

■ 0.2229, 0.4214,
2.3359

128.0569,
140.1255, 200.7154

■ 0.0000, 0.0000,
0.7512

160.4437,

■ 0.0000, 0.0000,

175.0692, 246.0970

0.0000

197.8768,
215.3870, 297.8502

■ 19.2471, 21.7930,
38.7894

■ 19.2471, 21.7930,
38.7894

■ 17.0008, 19.3313,
38.4330

■ 21.9032, 24.5503,
39.1820

■ 15.1367, 17.1482,
38.1099

■ 24.9899, 27.6140,
39.6107

■ 13.6272, 15.2283,
37.8189

■ 28.5291, 30.9973,
40.0772

■ 12.4394, 13.5530,
37.5581

■ 32.5405, 34.7118,
40.5827

■ 11.5224, 12.0946,
37.3249

■ 37.0426, 38.7683,
41.1284

■ 11.2937, 11.7208,
37.2649

■ 42.0528, 43.1772,
41.7154

■ 47.5877, 47.9483,
42.3446

■ 53.6631, 53.0909,
43.0170

■ 60.2941, 58.6142,
43.7336

Harmonies

Analogous

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



17.3951, 21.7930, 33.6894



19.2471, 21.7930, 38.7894



21.6380, 21.7930, 39.4227

Triad

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



19.2471, 21.7930, 38.7894



25.6428, 21.7930, 21.2143



17.7834, 21.7930, 15.0219

Complementary

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



19.2471, 21.7930, 38.7894



23.7164, 21.6451, 11.9455

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.



19.8159, 21.7930, 12.8750



19.2471, 21.7930, 38.7894



24.4294, 21.7930, 15.9550

Square

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



19.2471, 21.7930, 38.7894



25.4605, 21.7930, 28.2974



22.2527, 21.7930, 13.1793



16.5967, 21.7930, 19.6806

Rectangle

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



19.2471, 21.7930, 38.7894



23.2328, 21.7930, 37.1076



22.2527, 21.7930, 13.1793



18.3834, 21.7930, 14.0279

Sweetspot

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



19.2478, 21.7938, 38.7899



53.1679, 57.4552, 72.0400



20.5913, 30.2191, 21.5472



11.3128, 12.2705, 15.7097



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



19.2478, 21.7938, 38.7899



30.1647, 34.3007, 68.7832



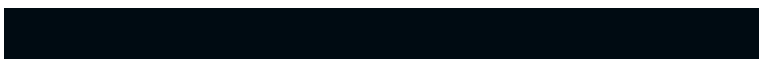
14.9147, 13.1277, 37.3456



7.0387, 7.5365, 8.9868



8.5934, 8.9663, 28.2075



0.2248, 0.2770, 0.6075

Inverse Universe

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



23.2290, 16.5377, 24.5228



38.4795, 24.7402, 38.6678



29.1096, 32.4314, 13.7432



7.2445, 7.1543, 8.2741



13.4830, 6.7493, 9.7343



0.3057, 0.1508, 0.3222

Previews

White Background



This preview shows how the XYZ color 19.2471, 21.7930, 38.7894 looks on a white background.

Color Contrast Check

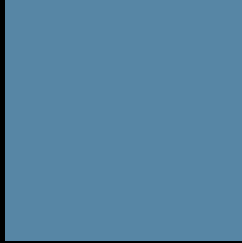
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.2471, 21.7930, 38.7894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

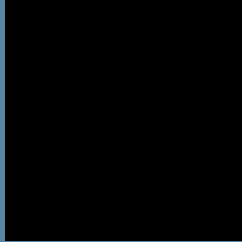
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.2471, 21.7930, 38.7894

Background



This preview shows how black text looks on a background with the XYZ color 19.2471, 21.7930, 38.7894.

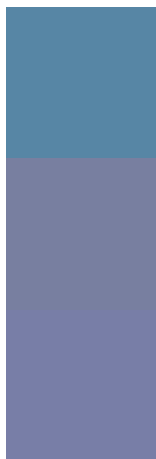


This preview shows how white text looks on a background with the XYZ color 19.2471, 21.7930,

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

19.2471, 21.7930, 38.7894

Protanopia

21.6803, 21.7099, 36.3055

Deuteranopia

22.1816, 21.7048, 39.5796



Tritanopia

17.7706, 21.8233, 31.2927

Trichromacy



Original Color

19.2471, 21.7930, 38.7894

Protanomaly

20.6886, 21.7620, 37.2925

Deuteranomaly

20.9175, 21.6418, 39.1512

Tritanomaly

18.2931, 21.8262, 33.8206

Monochromacy



Original Color

19.2471, 21.7930, 38.7894

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.6072, 20.3287, 26.9879

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2471, 21.7930, 38.7894 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(87, 134, 165)` looks like.

```
.text, #text, p{  
    color:rgb(87, 134, 165)  
}
```

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(87, 134, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 134, 165) }
```

Border

The CSS property to change the border of an element to XYZ 19.2471, 21.7930, 38.7894 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(87, 134, 165) }
```


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

```
.border{ border-color:rgb(87, 134, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 134, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 134, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 134, 165);  
box-shadow:4px 4px 4px 4px rgb(87, 134,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2471, 21.7930, 38.7894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 134, 165) }
```

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

```
.background{ background-color: rgb(87, 134,  
165) }
```

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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