

Converting Colors

XYZ(21.1577, 19.4854, 57.8663)

Have a look what the booklet for
XYZ(21.1577, 19.4854, 57.8663)
contains.

XYZ(21.1639, 19.4854, 57.9039)	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(21.1639, 19.4854,
57.9039)**

Conversions

Conversions Part 1

Format	Color
Hex	5877C9
RGB	88, 119, 201
RGB Percent	35%, 47%, 79%
CMY	0.6549, 0.5333, 0.2118
CMYK	0.56, 0.41, 0.00, 0.21
HSL	224°, 51%, 57%
HSV	224°, 56%, 79%
XYZ	21.1639, 19.4854, 57.9039
YIQ	119.0790, -44.7980, 18.9300

Conversions

Conversions Part 2

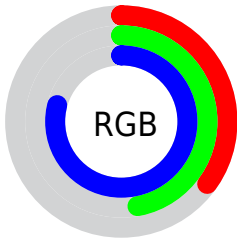
Format	Color
R _Y B	88, 112, 201
Decimal	5797833
CIE Lab	51.25, 13.18, -46.09
CIE LCh	51, 47.936, 285.963
Yxy	19.4854, 0.2147, 0.1977
Android (android.graphics.Color)	4283987913 (0xFF5877C9)
YUV	119.0790, 40.3871, -27.2563
Hunter-Lab	44.1423, 8.3324, -46.8744

Details

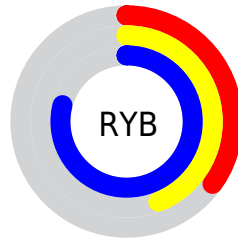
The XYZ color **21.1639, 19.4854, 57.9039** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **40.2247, 41.8732, 15.1959**, and the grayscale version is **17.4467, 18.3553, 19.9889**.

A 20% lighter version of the original color is **44.2900, 42.3656, 100.4508**, and **7.7101, 6.7202, 28.0849** is the 20% darker color. If you saturate the color by 10%, you get **17.9122, 15.4270, 57.2924**, and if you desaturate by 10%, it is **25.2081, 24.3483, 58.6298**.

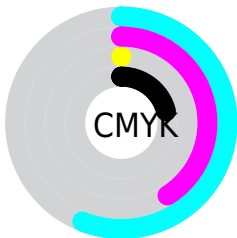
Distribution



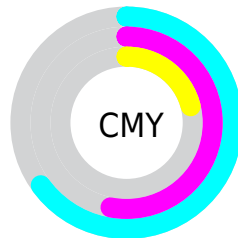
- Red (35%)
- Green (47%)
- Blue (79%)



- Red (35%)
- Yellow (44%)
- Blue (79%)



- Cyan (56%)
- Magenta (41%)
- Yellow (0%)
- Black (21%)



- Cyan (65%)
- Magenta (53%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1639, 19.4854, 57.9039 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 21.1639, 19.4854, 57.9039 by changing the saturation by 10% instead.

■ 21.1639, 19.4854,
57.9039

■ 21.1639, 19.4854,
57.9039

250.8635,
249.1155, 434.4160

■ 13.3570, 12.0215,
41.3172

■ 44.8494, 42.5527,
103.2963

■ 7.7535, 6.7583,
28.2455

■ 61.4587, 58.9250,
132.9391

■ 3.9881, 3.3114,
18.2701

■ 81.7328, 79.0355,
167.7710

■ 1.6954, 1.2964,
10.9727

■ 106.0371,
103.2686, 208.2105

■ 0.4534, 0.1384,
5.9345

134.7370,
132.0088, 254.6762

■ 0.0000, 0.0000,
2.7372

168.1978,

■ 0.0000, 0.0000,

165.6404, 307.5867

0.9620

206.7848,
204.5478, 367.3605

■ 0.0000, 0.0000,
0.0000

■ 21.1639, 19.4854,
57.9039

■ 21.1639, 19.4854,
57.9039

■ 17.9122, 15.4270,
57.2924

■ 25.2081, 24.3483,
58.6298

■ 15.3942, 12.1242,
56.7876

■ 30.0929, 30.0567,
59.4742

■ 13.5461, 9.5250,
56.3832

■ 35.8654, 36.6509,
60.4427

■ 12.2883, 7.5671,
56.0716

■ 42.5683, 44.1679,
61.5404

■ 11.9154, 6.9626,
55.9746

■ 50.2414, 52.6426,
62.7717

■ 58.9222, 62.1080,
64.1412

■ 68.6462, 72.5953,
65.6530

■ 79.4471, 84.1347,
67.3110

■ 86.0548, 94.0213,
68.8711

Harmonies

Analogous

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



16.3800, 19.4854, 58.3523



21.1639, 19.4854, 57.9039



25.9419, 19.4854, 45.2677

Triad

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



21.1639, 19.4854, 57.9039



25.6694, 19.4854, 7.3646



10.9601, 19.4854, 15.4526

Complementary

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



21.1639, 19.4854, 57.9039



40.2247, 41.8732, 15.1959

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.



12.6691, 19.4854, 7.6780



21.1639, 19.4854, 57.9039



20.8394, 19.4854, 4.5580

Square

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



21.1639, 19.4854, 57.9039



28.8330, 19.4854, 14.7710



16.1065, 19.4854, 4.6407



11.0166, 19.4854, 29.3073

Rectangle

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



21.1639, 19.4854, 57.9039



28.2428, 19.4854, 33.8407



16.1065, 19.4854, 4.6407



11.3325, 19.4854, 12.2017

Sweetspot

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



21.1647, 19.4861, 57.9044



71.6332, 74.2303, 105.1602



32.0718, 46.7125, 44.8549



14.8110, 15.3064, 22.4238



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.



21.1647, 19.4861, 57.9044



29.8382, 25.3489, 97.9279



20.7771, 14.6742, 56.9960



10.2895, 10.7531, 13.4507



7.5584, 4.5107, 35.2166



0.4202, 0.3381, 1.6883

Inverse Universe

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



30.9076, 20.7298, 19.8255



48.5199, 29.2631, 24.5698



40.6704, 51.7689, 17.0825



10.7514, 10.6840, 11.6743



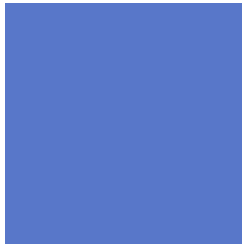
15.6145, 7.9953, 3.1796



0.7708, 0.3912, 0.3161

Previews

White Background



This preview shows how the XYZ color 21.1639, 19.4854, 57.9039 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 21.1639, 19.4854, 57.9039 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 21.1639, 19.4854, 57.9039

Background



This preview shows how black text looks on a background with the XYZ color 21.1639, 19.4854, 57.9039.

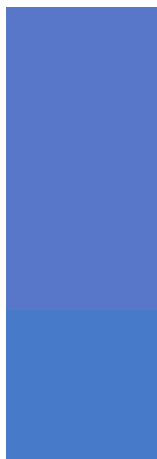


This preview shows how white text looks on a background with the XYZ color 21.1639, 19.4854,

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

21.1639, 19.4854, 57.9039

Protanopia

21.1639, 19.4854, 57.9039

Deuteranopia

19.9834, 19.4288, 57.3405



Tritanopia

15.3137, 19.5793, 28.5633

Trichromacy



Original Color

21.1639, 19.4854, 57.9039

Protanomaly

21.1639, 19.4854, 57.9039

Deuteranomaly

20.3233, 19.4227, 57.3214

Tritanomaly

16.9479, 19.2396, 37.4707

Monochromacy



Original Color

21.1639, 19.4854, 57.9039

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.2060, 18.5517, 31.0551

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1639, 19.4854, 57.9039 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(88, 119, 201)` looks like.

```
.text, #text, p{  
    color:rgb(88, 119, 201)  
}
```

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(88, 119, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 119, 201) }
```

Border

The CSS property to change the border of an element to XYZ 21.1639, 19.4854, 57.9039 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(88, 119, 201) }
```


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

```
.border{ border-color:rgb(88, 119, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 119, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 119, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 119, 201);  
box-shadow:4px 4px 4px 4px rgb(88, 119,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1639, 19.4854, 57.9039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 119, 201) }
```

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

```
.background{ background-color: rgb(88, 119,  
201) }
```

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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