

Converting Colors

XYZ(21.6559, 21.3282, 60.1033)

Have a look what the booklet for
XYZ(21.6559, 21.3282, 60.1033)
contains.

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Color

**XYZ(21.6788, 21.3758,
60.1101)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 4D80CC |
| RGB | 77, 128, 204 |
| RGB Percent | 30%, 50%, 80% |
| CMY | 0.6980, 0.4980, 0.2000 |
| CMYK | 0.62, 0.37, 0.00, 0.20 |
| HSL | 216°, 55%, 55% |
| HSV | 216°, 62%, 80% |
| XYZ | 21.6788, 21.3758, 60.1101 |
| YIQ | 121.4150, -54.7920, 12.8240 |

Conversions

Conversions Part 2

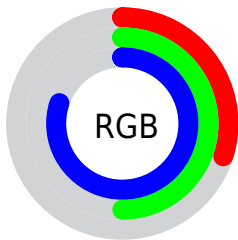
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 77, 113, 204 |
| Decimal | 5079244 |
| CIE _{Lab} | 53.36, 6.54, -44.49 |
| CIE _{LCh} | 53, 44.963, 278.357 |
| Yxy | 21.3758, 0.2101, 0.2072 |
| Android (android.graphics.Color) | 4283269324 (0xFF4D80CC) |
| YUV | 121.4150, 40.7144, -38.9520 |
| Hunter-Lab | 46.2340, 2.7880, -44.7208 |

Details

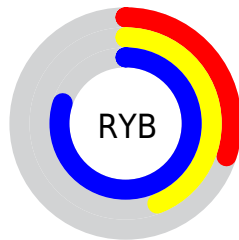
The XYZ color **21.6788, 21.3758, 60.1101** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle muted azure. A complement of this color would be **37.6339, 36.1575, 12.0179**, and the grayscale version is **18.1941, 19.1416, 20.8452**.

A 20% lighter version of the original color is **44.5246, 45.0968, 100.9656**, and **8.2208, 7.7619, 29.4987** is the 20% darker color. If you saturate the color by 10%, you get **18.7858, 17.6612, 59.5460**, and if you desaturate by 10%, it is **25.2811, 25.7410, 60.7633**.

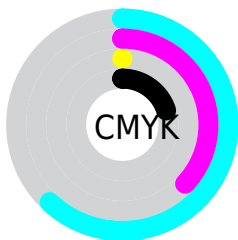
Distribution



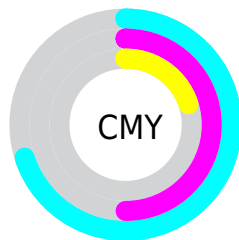
- Red (30%)
- Green (50%)
- Blue (80%)



- Red (30%)
- Yellow (44%)
- Blue (80%)



- Cyan (62%)
- Magenta (37%)
- Yellow (0%)
- Black (20%)



- Cyan (70%)
- Magenta (50%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6788, 21.3758, 60.1101 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 21.6788, 21.3758, 60.1101 by changing the saturation by 10% instead.

■ 21.6788, 21.3758,
60.1101

■ 21.6788, 21.3758,
60.1101

253.5283,
259.2690, 442.8194

■ 13.7364, 13.3990,
43.0815

■ 45.6974, 45.7121,
106.5343

■ 8.0180, 7.7039,
29.6172

■ 62.5042, 62.8404,
136.7670

■ 4.1584, 3.9060,
19.2986

■ 82.9965, 83.7880,
172.2381

■ 1.7921, 1.6211,
11.7073

■ 107.5397,
108.9393, 213.3662

■ 0.5129, 0.3718,
6.4246

136.4992,
138.6786, 260.5699

■ 0.0000, 0.0000,
3.0320

170.2402,

■ 0.0000, 0.0000,

173.3904, 314.2676

1.1110

209.1281,
213.4591, 374.8779

■ 0.0000, 0.0000,
0.0000

■ 21.6788, 21.3758,
60.1101

■ 21.6788, 21.3758,
60.1101

■ 18.7858, 17.6612,
59.5460

■ 25.2811, 25.7410,
60.7633

■ 16.5426, 14.5558,
59.0649

■ 29.6403, 30.7902,
61.5081

■ 14.8830, 12.0149,
58.6619

■ 34.8024, 36.5563,
62.3490

■ 13.9103, 10.3819,
58.3980

■ 40.8088, 43.0695,
63.2896

■ 47.6979, 50.3579,
64.3333

■ 55.5057, 58.4480,
65.4833

■ 64.2659, 67.3652,
66.7428

■ 74.0107, 77.1334,
68.1147

■ 82.6777, 86.6966,
69.5037

Harmonies

Analogous

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



17.1202, 21.3758, 57.1993



21.6788, 21.3758, 60.1101



26.5532, 21.3758, 50.5277

Triad

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



21.6788, 21.3758, 60.1101



28.3864, 21.3758, 10.4884



12.9320, 21.3758, 14.8726

Complementary

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



21.6788, 21.3758, 60.1101



37.6339, 36.1575, 12.0179

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.



15.1428, 21.3758, 8.1611



21.6788, 21.3758, 60.1101



23.8890, 21.3758, 6.4069

Square

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



21.6788, 21.3758, 60.1101



30.8032, 21.3758, 19.6634



19.0136, 21.3758, 5.7644



12.5301, 21.3758, 27.3029

Rectangle

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



21.6788, 21.3758, 60.1101



29.1631, 21.3758, 39.9431



19.0136, 21.3758, 5.7644



13.4695, 21.3758, 12.0397

Sweetspot

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



21.6796, 21.3765, 60.1106



70.8544, 74.8164, 105.3143



30.2470, 47.0013, 36.7929



14.4900, 15.2930, 22.4381



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.



21.6796, 21.3765, 60.1106



29.6065, 27.2183, 98.3010



17.5392, 11.7230, 58.4655



10.9653, 11.5711, 14.2259



8.8410, 6.7060, 36.7847



0.5298, 0.4935, 1.9223

Inverse Universe

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



31.4527, 19.7046, 22.5683



47.8335, 26.8083, 27.6767



45.0318, 55.1144, 15.2870



11.3959, 11.2871, 12.6192



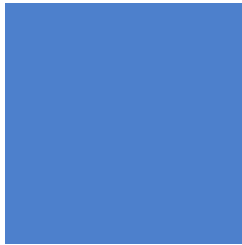
16.6734, 8.4800, 5.9990



0.8974, 0.4524, 0.5055

Previews

White Background



This preview shows how the XYZ color 21.6788, 21.3758, 60.1101 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 21.6788, 21.3758, 60.1101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

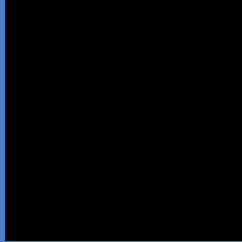
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.6788, 21.3758, 60.1101

Background



This preview shows how black text looks on a background with the XYZ color 21.6788, 21.3758, 60.1101.

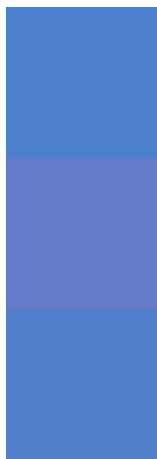


This preview shows how white text looks on a background with the XYZ color 21.6788, 21.3758,

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

21.6788, 21.3758, 60.1101

Protanopia

22.7873, 21.2290, 58.1549

Deuteranopia

21.8818, 21.2877, 60.0824



Tritanopia

16.0530, 21.3454, 32.1281

Trichromacy



Original Color

21.6788, 21.3758, 60.1101

Protanomaly

22.2107, 21.1052, 58.7802

Deuteranomaly

21.7967, 21.2439, 60.0784

Tritanomaly

17.7832, 21.1909, 41.1832

Monochromacy



Original Color

21.6788, 21.3758, 60.1101

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.6193, 19.6529, 32.0902

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6788, 21.3758, 60.1101 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(77, 128, 204)` looks like.

```
.text, #text, p{  
    color:rgb(77, 128, 204)  
}
```

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(77, 128, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 128, 204) }
```

Border

The CSS property to change the border of an element to XYZ 21.6788, 21.3758, 60.1101 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(77, 128, 204) }
```


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

```
.border{ border-color:rgb(77, 128, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 128, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 128, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 128, 204);  
box-shadow:4px 4px 4px 4px rgb(77, 128,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6788, 21.3758, 60.1101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 128, 204) }
```

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

```
.background{ background-color: rgb(77, 128,  
204) }
```

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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