

Converting Colors

XYZ(22.0053, 21.4581, 60.1088)

Have a look what the booklet for
XYZ(22.0053, 21.4581, 60.1088)
contains.

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Color

**XYZ(22.0979, 21.5918,
60.1297)**

Conversions

Conversions Part 1

Format	Color
Hex	5280CC
RGB	82, 128, 204
RGB Percent	32%, 50%, 80%
CMY	0.6784, 0.4980, 0.2000
CMYK	0.60, 0.37, 0.00, 0.20
HSL	217°, 54%, 56%
HSV	217°, 60%, 80%
XYZ	22.0979, 21.5918, 60.1297
YIQ	122.9100, -51.8120, 13.8840

Conversions

Conversions Part 2

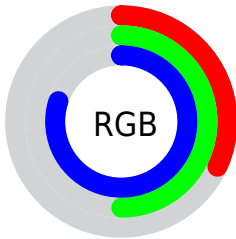
Format	Color
R _Y B	82, 115, 204
Decimal	5406924
CIE Lab	53.59, 7.49, -44.10
CIE LCh	54, 44.733, 279.636
Yxy	21.5918, 0.2128, 0.2080
Android (android.graphics.Color)	4283597004 (0xFF5280CC)
YUV	122.9100, 39.9774, -35.8781
Hunter-Lab	46.4670, 3.5705, -44.1962

Details

The XYZ color **22.0979, 21.5918, 60.1297** is a dark color, and the websafe version is hex **6699FF**. The color can be described as middle muted azure. A complement of this color would be **38.6530, 37.9022, 13.2625**, and the grayscale version is **18.6826, 19.6556, 21.4049**.

A 20% lighter version of the original color is **45.1865, 45.4380, 100.9966**, and **8.2208, 7.7619, 29.4987** is the 20% darker color. If you saturate the color by 10%, you get **19.0253, 17.6995, 59.5408**, and if you desaturate by 10%, it is **25.9070, 26.1726, 60.8136**.

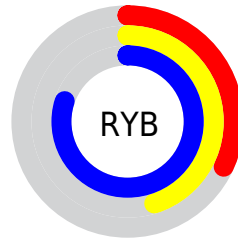
Distribution



Red (32%)

Green (50%)

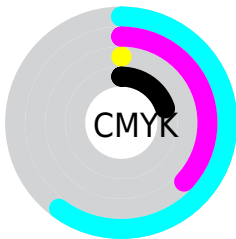
Blue (80%)



Red (32%)

Yellow (45%)

Blue (80%)

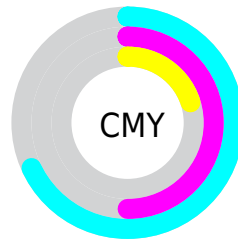


Cyan (60%)

Magenta (37%)

Yellow (0%)

Black (20%)



Cyan (68%)

Magenta (50%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.0979, 21.5918, 60.1297 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 22.0979, 21.5918, 60.1297 by changing the saturation by 10% instead.

■ 22.0979, 21.5918,
60.1297

■ 22.0979, 21.5918,
60.1297

255.6799,
260.4071, 442.8936

■ 14.0459, 13.5573,
43.0972

■ 46.3854, 46.0704,
106.5630

■ 8.2345, 7.8134,
29.6294

■ 63.3516, 63.2833,
136.8009

■ 4.2984, 3.9758,
19.3078

■ 84.0198, 84.3243,
172.2777

■ 1.8723, 1.6600,
11.7139

■ 108.7555,
109.5781, 213.4118

■ 0.5607, 0.3976,
6.4290

137.9240,
139.4288, 260.6220

■ 0.0000, 0.0000,
3.0347

171.8907,

■ 0.0000, 0.0000,

174.2609, 314.3266

1.1124

211.0208,
214.4589, 374.9443

■ 0.0000, 0.0000,
0.0000

■ 22.0979, 21.5918,
60.1297

■ 22.0979, 21.5918,
60.1297

■ 19.0253, 17.6995,
59.5408

■ 25.9070, 26.1726,
60.8136

■ 16.6309, 14.4533,
59.0404

■ 30.4997, 31.4762,
61.5952

■ 14.8500, 11.8084,
58.6238

■ 35.9220, 37.5365,
62.4792

■ 13.5698, 9.6934,
58.2830

■ 42.2151, 44.3849,
63.4694

■ 13.5471, 9.6554,
58.2769

■ 49.4177, 52.0505,
64.5694

■ 57.5657, 60.5608,
65.7826

■ 66.6933, 69.9423,
67.1123

■ 76.8327, 80.2198,
68.5617

■ 84.0043, 89.3500,
69.9460

Harmonies

Analogous

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



17.4903, 21.5918, 57.7813



22.0979, 21.5918, 60.1297



26.9541, 21.5918, 50.1303

Triad

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



22.0979, 21.5918, 60.1297



28.4362, 21.5918, 10.4091



13.0621, 21.5918, 15.4954

Complementary

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



22.0979, 21.5918, 60.1297



38.6530, 37.9022, 13.2625

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.



15.2050, 21.5918, 8.5174



22.0979, 21.5918, 60.1297



23.8860, 21.5918, 6.4707

Square

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



22.0979, 21.5918, 60.1297



30.9703, 21.5918, 19.3773



19.0235, 21.5918, 5.9471



12.7361, 21.5918, 28.1916

Rectangle

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



22.0979, 21.5918, 60.1297



29.5074, 21.5918, 39.4639



19.0235, 21.5918, 5.9471



13.5760, 21.5918, 12.5656

Sweetspot

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



22.0987, 21.5925, 60.1302



71.6796, 75.4035, 105.3842



31.1792, 47.4226, 39.5142



14.6370, 15.3808, 22.4473



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.



22.0987, 21.5925, 60.1302



30.1473, 27.5134, 98.3294



18.7659, 12.8949, 58.6271



10.9426, 11.5256, 14.2183



8.6096, 6.2431, 36.7075



0.5167, 0.4671, 1.9179

Inverse Universe

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



31.8162, 20.4315, 22.6894



48.2984, 27.7294, 27.8590



44.2936, 54.7127, 16.2099



11.3844, 11.2825, 12.5587



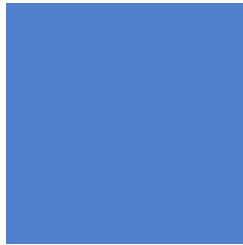
16.5566, 8.4332, 5.3838



0.8907, 0.4497, 0.4705

Previews

White Background



This preview shows how the XYZ color 22.0979, 21.5918, 60.1297 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 22.0979, 21.5918, 60.1297 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

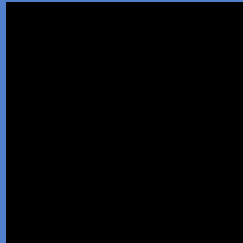
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.0979, 21.5918, 60.1297

Background



This preview shows how black text looks on a background with the XYZ color 22.0979, 21.5918, 60.1297.

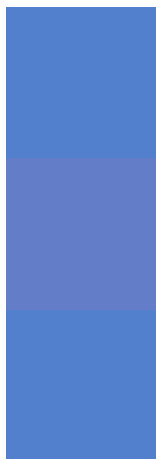


This preview shows how white text looks on a background with the XYZ color 22.0979, 21.5918,

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

22.0979, 21.5918, 60.1297

Protanopia

23.0218, 21.5369, 58.2020

Deuteranopia

22.1855, 21.6370, 60.1338



Tritanopia

16.4826, 21.5668, 32.1482

Trichromacy



Original Color

22.0979, 21.5918, 60.1297

Protanomaly

22.6357, 21.5131, 58.8365

Deuteranomaly

22.1855, 21.6370, 60.1338

Tritanomaly

18.2344, 21.4235, 41.2043

Monochromacy



Original Color

22.0979, 21.5918, 60.1297

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.1855, 20.1224, 32.5786

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0979, 21.5918, 60.1297 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(82, 128, 204)` looks like.

```
.text, #text, p{  
    color:rgb(82, 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(82, 128, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 128, 204) }
```

Border

The CSS property to change the border of an element to XYZ 22.0979, 21.5918, 60.1297 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(82, 128, 204) }
```


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

```
.border{ border-color:rgb(82, 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(82, 128, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 128, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 128, 204);  
box-shadow:4px 4px 4px 4px rgb(82, 128,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 22.0979, 21.5918, 60.1297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 128, 204) }
```

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

```
.background{ background-color: rgb(82, 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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