

Converting Colors

XYZ(21.1805, 21.9547, 53.1575)

Have a look what the booklet for
XYZ(21.1805, 21.9547, 53.1575)
contains.

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Color

**XYZ(21.1104, 21.8322,
52.9706)**

Conversions

Conversions Part 1

Format	Color
Hex	5283C0
RGB	82, 131, 192
RGB Percent	32%, 51%, 75%
CMY	0.6784, 0.4863, 0.2471
CMYK	0.57, 0.32, 0.00, 0.25
HSL	213°, 47%, 54%
HSV	213°, 57%, 75%
XYZ	21.1104, 21.8322, 52.9706
YIQ	123.3030, -48.7850, 8.5830

Conversions

Conversions Part 2

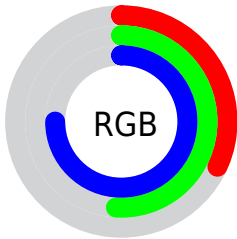
Format	Color
R_{YB}	82, 116, 192
Decimal	5407680
CIE Lab	53.85, 1.73, -36.87
CIE LCh	54, 36.909, 272.685
Yxy	21.8322, 0.2201, 0.2276
Android (android.graphics.Color)	4283597760 (0xFF5283C0)
YUV	123.3030, 33.8676, -36.2227
Hunter-Lab	46.7249, -1.1221, -34.5078

Details

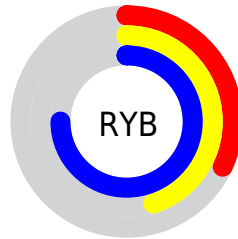
The XYZ color **21.1104, 21.8322, 52.9706** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **33.0848, 31.4621, 12.3128**, and the grayscale version is **18.8307, 19.8114, 21.5746**.

A 20% lighter version of the original color is **44.8868, 46.6095, 96.2533**, and **7.7174, 7.9276, 25.1682** is the 20% darker color. If you saturate the color by 10%, you get **18.3112, 18.3745, 52.4512**, and if you desaturate by 10%, it is **24.5253, 25.8262, 53.5620**.

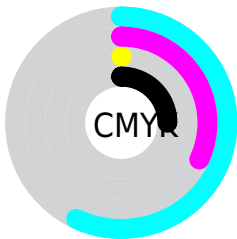
Distribution



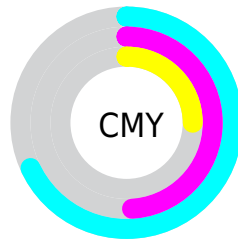
- Red (32%)
- Green (51%)
- Blue (75%)



- Red (32%)
- Yellow (45%)
- Blue (75%)



- Cyan (57%)
- Magenta (32%)
- Yellow (0%)
- Black (25%)



- Cyan (68%)
- Magenta (49%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1104, 21.8322, 52.9706 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 21.1104, 21.8322, 52.9706 by changing the saturation by 10% instead.

■ 21.1104, 21.8322,
52.9706

■ 21.1104, 21.8322,
52.9706

250.5853,
261.6687, 415.2354

■ 13.3176, 13.7337,
37.3917

■ 44.7611, 46.4685,
96.0022

■ 7.7261, 7.9357,
25.2128

■ 61.3497, 63.7751,
124.2920

■ 3.9705, 4.0538,
16.0152

■ 81.6011, 84.9197,
157.6559

■ 1.6855, 1.7037,
9.3804

■ 105.8804,
110.2869, 196.5125

■ 0.4472, 0.4261,
4.8900

134.5532,
140.2610, 241.2801

■ 0.0000, 0.0000,
2.1252

167.9846,

■ 0.0000, 0.0000,

175.2264, 292.3775

0.6307

206.5402,
215.5675, 350.2231

■ 0.0000, 0.0000,
0.0000

■ 21.1104, 21.8322,
52.9706

■ 21.1104, 21.8322,
52.9706

■ 18.3112, 18.3745,
52.4512

■ 24.5253, 25.8262,
53.5620

■ 16.0807, 15.4212,
51.9987

■ 28.5931, 30.3809,
54.2267

■ 14.3683, 12.9399,
51.6100

■ 33.3507, 35.5218,
54.9682

■ 13.1033, 10.8866,
51.2803

■ 38.8315, 41.2716,
55.7892

■ 12.8045, 10.3858,
51.1994

■ 45.0663, 47.6521,
56.6922

■ 52.0843, 54.6837,
57.6795

■ 59.9130, 62.3857,
58.7535

■ 68.5786, 70.7766,
59.9164

■ 78.1059, 79.8743,
61.1703

Harmonies

Analogous

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



17.4421, 21.8322, 48.9595



21.1104, 21.8322, 52.9706



25.1510, 21.8322, 47.3208

Triad

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



21.1104, 21.8322, 52.9706



27.8597, 21.8322, 13.8142



14.6818, 21.8322, 15.0863

Complementary

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



21.1104, 21.8322, 52.9706



33.0848, 31.4621, 12.3128

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.



16.8964, 21.8322, 9.7129



21.1104, 21.8322, 52.9706



24.4537, 21.8322, 9.1600

Square

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



21.1104, 21.8322, 52.9706



29.3459, 21.8322, 22.7624



20.3954, 21.8322, 7.9407



14.0229, 21.8322, 24.8102

Rectangle

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



21.1104, 21.8322, 52.9706



27.4315, 21.8322, 39.6352



20.3954, 21.8322, 7.9407



15.2538, 21.8322, 12.8312

Sweetspot

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



21.1112, 21.8330, 52.9711



70.3775, 74.7996, 101.0888



27.2503, 41.4618, 32.3563



14.6440, 15.5753, 21.6198



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



21.1112, 21.8330, 52.9711



31.9395, 31.6959, 94.7948



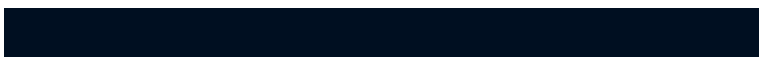
16.5100, 11.8918, 51.2948



9.8894, 10.4700, 12.7845



8.6912, 7.1389, 34.4765



0.4442, 0.4457, 1.5125

Inverse Universe

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



28.8530, 18.8807, 23.5970



47.9311, 28.0215, 33.5752



40.7447, 48.8109, 15.2577



10.2555, 10.1508, 11.4358



15.7829, 8.0029, 6.7688



0.7166, 0.3596, 0.4749

Previews

White Background



This preview shows how the XYZ color 21.1104, 21.8322, 52.9706 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 21.1104, 21.8322, 52.9706 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 21.1104, 21.8322, 52.9706

Background



This preview shows how black text looks on a background with the XYZ color 21.1104, 21.8322, 52.9706.

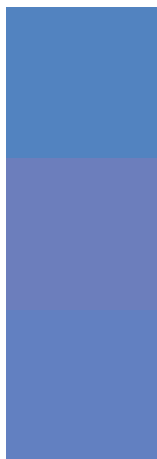


This preview shows how white text looks on a background with the XYZ color 21.1104, 21.8322,

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

21.1104, 21.8322, 52.9706

Protanopia

22.7223, 21.7407, 50.5757

Deuteranopia

22.3818, 21.8853, 53.4967



Tritanopia

16.9176, 21.7911, 32.1686

Trichromacy



Original Color

21.1104, 21.8322, 52.9706

Protanomaly

22.0501, 21.7651, 51.1830

Deuteranomaly

21.8895, 21.8261, 53.5112

Tritanomaly

18.1942, 21.6645, 38.8200

Monochromacy



Original Color

21.1104, 21.8322, 52.9706

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.9905, 20.2480, 30.9243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1104, 21.8322, 52.9706 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, 131, 192)` looks like.

```
.text, #text, p{  
    color:rgb(82, 131, 192)  
}
```

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, 131, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 131, 192) }
```

Border

The CSS property to change the border of an element to XYZ 21.1104, 21.8322, 52.9706 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, 131, 192) }
```


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

```
.border{ border-color:rgb(82, 131, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 131, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 131, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 131, 192);  
box-shadow:4px 4px 4px 4px rgb(82, 131,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1104, 21.8322, 52.9706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 131, 192) }
```

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

```
.background{ background-color: rgb(82, 131,  
192) }
```

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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