

Converting Colors

XYZ(21.6289, 21.3206, 58.5116)

Have a look what the booklet for
XYZ(21.6289, 21.3206, 58.5116)
contains.

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Color

**XYZ(21.6551, 21.4047,
58.2485)**

Conversions

Conversions Part 1

Format	Color
Hex	5180C9
RGB	81, 128, 201
RGB Percent	32%, 50%, 79%
CMY	0.6823, 0.4980, 0.2118
CMYK	0.60, 0.36, 0.00, 0.21
HSL	217°, 53%, 55%
HSV	217°, 60%, 79%
XYZ	21.6551, 21.4047, 58.2485
YIQ	122.2690, -51.4450, 12.7390

Conversions

Conversions Part 2

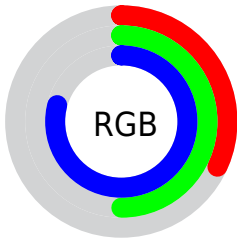
Format	Color
R_{YB}	81, 115, 201
Decimal	5341385
CIE Lab	53.39, 6.29, -42.72
CIE LCh	53, 43.180, 278.375
Yxy	21.4047, 0.2138, 0.2113
Android (android.graphics.Color)	4283531465 (0xFF5180C9)
YUV	122.2690, 38.8144, -36.1929
Hunter-Lab	46.2652, 2.5854, -42.2612

Details

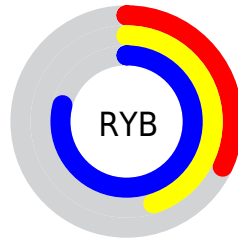
The XYZ color **21.6551, 21.4047, 58.2485** is a dark color, and the websafe version is hex **336699**. The color can be described as middle muted azure. A complement of this color would be **37.1294, 36.1247, 12.8016**, and the grayscale version is **18.4765, 19.4387, 21.1688**.

A 20% lighter version of the original color is **45.0187, 45.3515, 100.9887**, and **7.9843, 7.6673, 28.2532** is the 20% darker color. If you saturate the color by 10%, you get **18.6807, 17.6449, 57.6800**, and if you desaturate by 10%, it is **25.3331, 25.8132, 58.9060**.

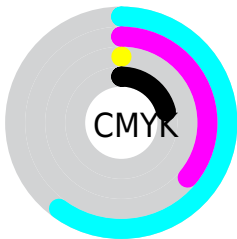
Distribution



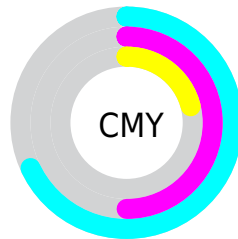
- Red (32%)
- Green (50%)
- Blue (79%)



- Red (32%)
- Yellow (45%)
- Blue (79%)



- Cyan (60%)
- Magenta (36%)
- Yellow (0%)
- Black (21%)



- Cyan (68%)
- Magenta (50%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6551, 21.4047, 58.2485 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 21.6551, 21.4047, 58.2485 by changing the saturation by 10% instead.

■ 21.6551, 21.4047,
58.2485

■ 21.6551, 21.4047,
58.2485

253.4062,
259.4215, 435.7354

■ 13.7189, 13.4201,
41.5924

■ 45.6584, 45.7601,
103.8030

■ 8.0058, 7.7185,
28.4591

■ 62.4562, 62.8997,
133.5385

■ 4.1505, 3.9154,
18.4300

■ 82.9385, 83.8599,
168.4709

■ 1.7876, 1.6263,
11.0865

■ 107.4708,
109.0249, 209.0188

■ 0.5102, 0.3752,
6.0101

136.4183,
138.7791, 255.6006

■ 0.0000, 0.0000,
2.7824

170.1465,

■ 0.0000, 0.0000,

173.5071, 308.6349

0.9846

209.0207,
213.5930, 368.5403

■ 0.0000, 0.0000,
0.0000

■ 21.6551, 21.4047,
58.2485

■ 21.6551, 21.4047,
58.2485

■ 18.6807, 17.6449,
57.6800

■ 25.3331, 25.8132,
58.9060

■ 16.3541, 14.4939,
57.1944

■ 29.7594, 30.9022,
59.6550

■ 14.6141, 11.9099,
56.7874

■ 34.9778, 36.7036,
60.4997

■ 13.3527, 9.8259,
56.4516

■ 41.0277, 43.2465,
61.4438

■ 13.3186, 9.7689,
56.4424

■ 47.9457, 50.5581,
62.4905

■ 55.7662, 58.6644,
63.6429

■ 64.5218, 67.5898,
64.9042

■ 74.2431, 77.3577,
66.2773

■ 82.3727, 86.6570,
67.6437

Harmonies

Analogous

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



17.2669, 21.4047, 55.5168



21.6551, 21.4047, 58.2485



26.3197, 21.4047, 49.2157

Triad

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



21.6551, 21.4047, 58.2485



28.0638, 21.4047, 10.8879



13.2034, 21.4047, 15.1882

Complementary

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



21.6551, 21.4047, 58.2485



37.1294, 36.1247, 12.8016

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.



15.3499, 21.4047, 8.5923



21.6551, 21.4047, 58.2485



23.7677, 21.4047, 6.8376

Square

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



21.6551, 21.4047, 58.2485



30.3665, 21.4047, 19.8204



19.0879, 21.4047, 6.1936



12.8129, 21.4047, 27.1782

Rectangle

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



21.6551, 21.4047, 58.2485



28.8076, 21.4047, 39.2008



19.0879, 21.4047, 6.1936



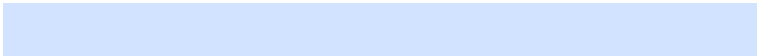
13.7261, 21.4047, 12.4200

Sweetspot

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



21.6559, 21.4054, 58.2490



71.8628, 75.7700, 105.4452



30.0307, 45.8232, 37.4002



14.6814, 15.4696, 22.4621



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.



21.6559, 21.4054, 58.2490



30.5465, 28.3118, 98.4625



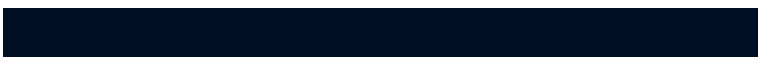
18.0003, 12.4303, 56.7093



10.3917, 10.9575, 13.4848



8.4575, 6.3089, 35.5163



0.4707, 0.4391, 1.7051

Inverse Universe

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



30.9268, 19.8619, 22.6263



48.4999, 27.8100, 28.9201



43.3588, 53.1868, 15.7666



10.8030, 10.7046, 11.9459



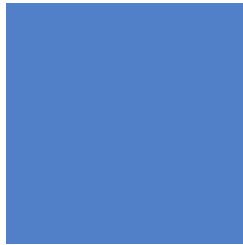
16.0683, 8.1769, 5.5695



0.7963, 0.4013, 0.4503

Previews

White Background



This preview shows how the XYZ color 21.6551, 21.4047, 58.2485 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 21.6551, 21.4047, 58.2485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

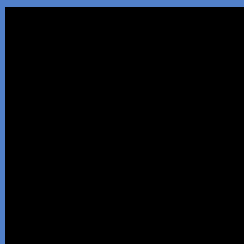
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

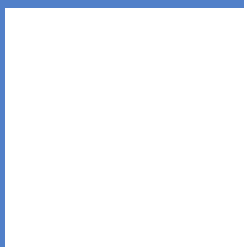
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.6551, 21.4047, 58.2485

Background



This preview shows how black text looks on a background with the XYZ color 21.6551, 21.4047, 58.2485.

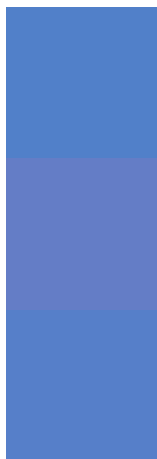


This preview shows how white text looks on a background with the XYZ color 21.6551, 21.4047,

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

21.6551, 21.4047, 58.2485

Protanopia

22.7822, 21.4538, 56.3663

Deuteranopia

21.9697, 21.3742, 58.2260



Tritanopia

16.3384, 21.2785, 32.1002

Trichromacy



Original Color

21.6551, 21.4047, 58.2485

Protanomaly

22.2839, 21.3724, 56.9836

Deuteranomaly

21.7881, 21.2806, 58.2175

Tritanomaly

17.9333, 21.0730, 40.6584

Monochromacy



Original Color

21.6551, 21.4047, 58.2485

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.8570, 19.7755, 32.1013

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6551, 21.4047, 58.2485 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(81, 128, 201)` looks like.

```
.text, #text, p{  
    color:rgb(81, 128, 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(81, 128, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 128, 201) }
```

Border

The CSS property to change the border of an element to XYZ 21.6551, 21.4047, 58.2485 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(81, 128, 201) }
```


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

```
.border{ border-color:rgb(81, 128, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 128, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 128, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 128, 201);  
box-shadow:4px 4px 4px 4px rgb(81, 128,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6551, 21.4047, 58.2485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 128, 201) }
```

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

```
.background{ background-color: rgb(81, 128,  
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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