

Converting Colors

XYZ(21.0609, 20.5476, 47.9582)

Have a look what the booklet for
XYZ(21.0609, 20.5476, 47.9582)
contains.

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Color

**XYZ(21.1149, 20.5853,
48.2079)**

Conversions

Conversions Part 1

Format	Color
Hex	647CB8
RGB	100, 124, 184
RGB Percent	39%, 49%, 72%
CMY	0.6078, 0.5137, 0.2784
CMYK	0.46, 0.33, 0.00, 0.28
HSL	223°, 37%, 56%
HSV	223°, 46%, 72%
XYZ	21.1149, 20.5853, 48.2079
YIQ	123.6640, -33.5640, 13.5720

Conversions

Conversions Part 2

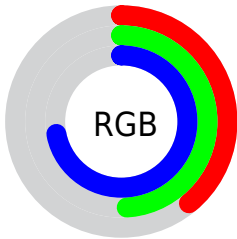
Format	Color
R_{YB}	100, 119, 184
Decimal	6585528
CIE _{Lab}	52.49, 7.59, -34.34
CIE _{LCh}	52, 35.173, 282.470
Yxy	20.5853, 0.2348, 0.2290
Android (android.graphics.Color)	4284775608 (0xFF647CB8)
YUV	123.6640, 29.7456, -20.7533
Hunter-Lab	45.3710, 3.6716, -31.2375

Details

The XYZ color **21.1149, 20.5853, 48.2079** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **34.6390, 36.2531, 17.2294**, and the grayscale version is **18.9594, 19.9468, 21.7221**.

A 20% lighter version of the original color is **44.5799, 44.2120, 88.6222**, and **7.8079, 7.3884, 22.4873** is the 20% darker color. If you saturate the color by 10%, you get **17.7662, 16.5749, 47.6107**, and if you desaturate by 10%, it is **25.1443, 25.2732, 48.9008**.

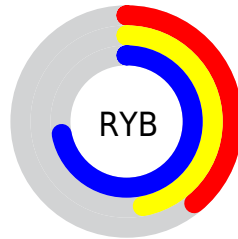
Distribution



Red (39%)

Green (49%)

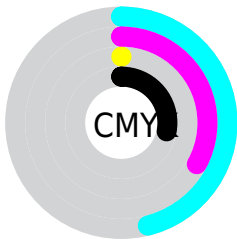
Blue (72%)



Red (39%)

Yellow (47%)

Blue (72%)

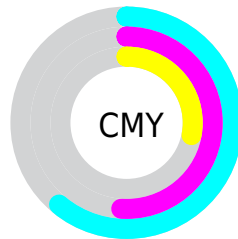


Cyan (46%)

Magenta (33%)

Yellow (0%)

Black (28%)



Cyan (61%)

Magenta (51%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1149, 20.5853, 48.2079 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 21.1149, 20.5853, 48.2079 by changing the saturation by 10% instead.

■ 21.1149, 20.5853,
48.2079

■ 21.1149, 20.5853,
48.2079

250.6087,
255.0663, 396.1481

■ 13.3210, 12.8212,
33.6304

■ 44.7685, 44.3963,
88.8826

■ 7.7284, 7.3055,
22.3347

■ 61.3589, 61.2121,
115.8169

■ 3.9720, 3.6539,
13.9024

■ 81.6121, 81.8138,
147.7073

■ 1.6863, 1.4819,
7.9148

■ 105.8936,
106.5859, 184.9722

■ 0.4477, 0.2759,
3.9535

134.5686,
135.9128, 228.0301

■ 0.0000, 0.0000,
1.5999

168.0026,

■ 0.0000, 0.0000,

170.1790, 277.2998

0.2907

206.5608,
209.7686, 333.1995

■ 0.0000, 0.0000,
0.0000

■ 21.1149, 20.5853,
48.2079

■ 21.1149, 20.5853,
48.2079

■ 17.7662, 16.5749,
47.6107

■ 25.1443, 25.2732,
48.9008

■ 15.0559, 13.2065,
47.1034

■ 29.8886, 30.6673,
49.6919

■ 12.9403, 10.4441,
46.6817

■ 35.3825, 36.7973,
50.5855

■ 11.3688, 8.2470,
46.3404

■ 41.6575, 43.6904,
51.5853

■ 10.2795, 6.5674,
46.0737

■ 48.7434, 51.3724,
52.6946

■ 9.9054, 5.9679,
45.9777

■ 56.6684, 59.8678,
53.9167

■ 65.4593, 69.2002,
55.2547

■ 75.1416, 79.3920,
56.7116

■ 81.7303, 88.3977,
58.1026

Harmonies

Analogous

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



17.5340, 20.5853, 47.4494



21.1149, 20.5853, 48.2079



24.6775, 20.5853, 40.6706

Triad

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



21.1149, 20.5853, 48.2079



25.1907, 20.5853, 11.4282



13.6262, 20.5853, 16.9064

Complementary

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



21.1149, 20.5853, 48.2079



34.6390, 36.2531, 17.2294

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.



15.2136, 20.5853, 10.6487



21.1149, 20.5853, 48.2079



21.7486, 20.5853, 8.2267

Square

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



21.1149, 20.5853, 48.2079



27.2190, 20.5853, 18.3615



18.0942, 20.5853, 7.9943



13.5010, 20.5853, 27.0225

Rectangle

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



21.1149, 20.5853, 48.2079



26.4453, 20.5853, 33.0040



18.0942, 20.5853, 7.9943



13.9965, 20.5853, 14.3726

Sweetspot

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



21.1156, 20.5861, 48.2084



65.6633, 68.3889, 91.9442



28.6374, 39.4871, 38.8231



13.6606, 14.1956, 19.7416



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



21.1156, 20.5861, 48.2084



32.0583, 29.8665, 86.2798



20.5190, 16.3441, 47.4211



8.7245, 9.1263, 11.3811



6.8799, 4.2195, 31.7049



0.2972, 0.2580, 1.1359

Inverse Universe

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



27.9631, 20.7608, 21.6028



46.3336, 31.2302, 30.5891



35.4200, 43.4389, 18.5752



9.1073, 9.0533, 9.9124



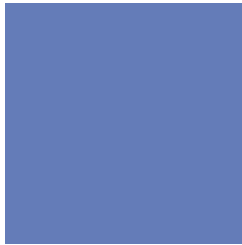
14.0863, 7.2083, 3.0755



0.5242, 0.2651, 0.2537

Previews

White Background



This preview shows how the XYZ color 21.1149, 20.5853, 48.2079 looks on a white background.

Color Contrast Check

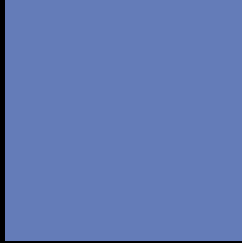
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1149, 20.5853, 48.2079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

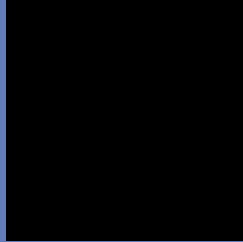
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

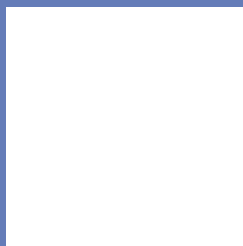
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.1149, 20.5853, 48.2079

Background



This preview shows how black text looks on a background with the XYZ color 21.1149, 20.5853, 48.2079.

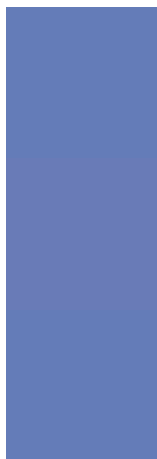


This preview shows how white text looks on a background with the XYZ color 21.1149, 20.5853,

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

21.1149, 20.5853, 48.2079

Protanopia

21.4559, 20.5881, 47.6428

Deuteranopia

21.1149, 20.5853, 48.2079



Tritanopia

17.2337, 20.5604, 29.0468

Trichromacy



Original Color

21.1149, 20.5853, 48.2079

Protanomaly

21.2237, 20.4684, 47.6319

Deuteranomaly

21.1149, 20.5853, 48.2079

Tritanomaly

18.4354, 20.4444, 35.3223

Monochromacy



Original Color

21.1149, 20.5853, 48.2079

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.4662, 20.1355, 30.0547

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1149, 20.5853, 48.2079 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(100, 124, 184)` looks like.

```
.text, #text, p{  
    color:rgb(100, 124, 184)  
}
```

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(100, 124, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 124, 184) }
```

Border

The CSS property to change the border of an element to XYZ 21.1149, 20.5853, 48.2079 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(100, 124, 184) }
```


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

```
.border{ border-color:rgb(100, 124, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 124, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 124, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 124, 184);  
box-shadow:4px 4px 4px 4px rgb(100, 124,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1149, 20.5853, 48.2079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 124, 184) }
```

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

```
.background{ background-color: rgb(100,  
124, 184) }
```

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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