

Converting Colors

XYZ(20.8727, 18.3259, 54.6615)

Have a look what the booklet for
XYZ(20.8727, 18.3259, 54.6615)
contains.

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Color

**XYZ(20.9059, 18.3924,
54.6728)**

Conversions

Conversions Part 1

Format	Color
Hex	6271C4
RGB	98, 113, 196
RGB Percent	38%, 44%, 77%
CMY	0.6157, 0.5569, 0.2314
CMYK	0.50, 0.42, 0.00, 0.23
HSL	231°, 45%, 58%
HSV	231°, 50%, 77%
XYZ	20.9059, 18.3924, 54.6728
YIQ	117.9770, -35.5830, 22.6330

Conversions

Conversions Part 2

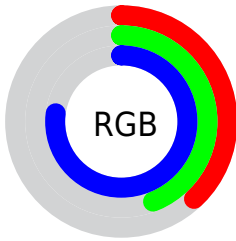
Format	Color
R _Y B	98, 111, 196
Decimal	6451652
CIE Lab	49.97, 17.47, -45.23
CIE LCh	50, 48.483, 291.123
Yxy	18.3924, 0.2225, 0.1957
Android (android.graphics.Color)	4284641732 (0xFF6271C4)
YUV	117.9770, 38.4653, -17.5198
Hunter-Lab	42.8864, 11.9626, -45.5642

Details

The XYZ color **20.9059, 18.3924, 54.6728** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **41.4945, 45.6670, 18.1840**, and the grayscale version is **17.1048, 17.9955, 19.5971**.

A 20% lighter version of the original color is **44.5112, 40.8721, 98.4716**, and **7.6674, 6.2808, 26.3994** is the 20% darker color. If you saturate the color by 10%, you get **17.3585, 14.0615, 54.0242**, and if you desaturate by 10%, it is **25.3113, 23.6690, 55.4595**.

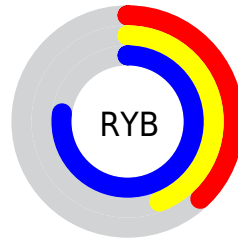
Distribution



Red (38%)

Green (44%)

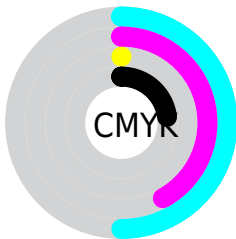
Blue (77%)



Red (38%)

Yellow (44%)

Blue (77%)

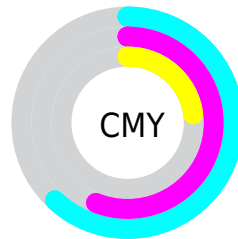


Cyan (50%)

Magenta (42%)

Yellow (0%)

Black (23%)



Cyan (62%)

Magenta (56%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9059, 18.3924, 54.6728 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 20.9059, 18.3924, 54.6728 by changing the saturation by 10% instead.

■ 20.9059, 18.3924,
54.6728

■ 20.9059, 18.3924,
54.6728

249.5192,
243.0736, 421.9174

■ 13.1673, 11.2321,
38.7430

■ 44.4233, 40.7048,
98.5277

■ 7.6216, 6.2232,
26.2536

■ 60.9329, 56.6257,
127.2899

■ 3.9036, 2.9812,
16.7860

■ 81.0968, 76.2356,
161.1667

■ 1.6477, 1.1219,
9.9217

■ 105.2804, 99.9189,
200.5765

■ 0.4232, 0.0000,
5.2421

133.8491,
128.0599, 245.9379

■ 0.0000, 0.0000,
2.3288

167.1682,

■ 0.0000, 0.0000,

161.0431, 297.6695

0.7473

205.6031,
199.2529, 356.1898

■ 0.0000, 0.0000,
0.0000

■ 20.9059, 18.3924,
54.6728

■ 20.9059, 18.3924,
54.6728

■ 17.3585, 14.0615,
54.0242

■ 25.3113, 23.6690,
55.4595

■ 14.6100, 10.6175,
53.5043

■ 30.6241, 29.9415,
56.3902

■ 12.5969, 7.9981,
53.1048

■ 36.8926, 37.2585,
57.4721

■ 11.2450, 6.1313,
52.8157

■ 44.1611, 45.6651,
58.7117

■ 10.4282, 4.9141,
52.6238

■ 52.4709, 55.2036,
60.1148

■ 10.4280, 4.9139,
52.6238

■ 61.8610, 65.9141,
61.6872

■ 72.3686, 77.8348,
63.4343

■ 84.0288, 91.0019,
65.3613

■ 86.9639, 96.7656,
66.3191

Harmonies

Analogous

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



16.1375, 18.3924, 57.4814



20.9059, 18.3924, 54.6728



25.4077, 18.3924, 40.7842

Triad

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



20.9059, 18.3924, 54.6728



23.7161, 18.3924, 5.9735



10.0512, 18.3924, 16.3284

Complementary

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



20.9059, 18.3924, 54.6728



41.4945, 45.6670, 18.1840

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.



11.4032, 18.3924, 7.8693



20.9059, 18.3924, 54.6728



18.8980, 18.3924, 3.8840

Square

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



20.9059, 18.3924, 54.6728



27.2197, 18.3924, 12.1425



14.4529, 18.3924, 4.3772



10.3965, 18.3924, 30.7452

Rectangle

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



20.9059, 18.3924, 54.6728



27.3810, 18.3924, 29.5073



14.4529, 18.3924, 4.3772



10.3120, 18.3924, 12.8306

Sweetspot

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



20.9066, 18.3930, 54.6733



72.8729, 74.4972, 105.1463



32.9820, 45.3588, 50.0197



15.0055, 15.2597, 22.4045



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.



20.9066, 18.3930, 54.6733



30.9157, 24.8172, 97.7685



23.6410, 17.5207, 54.3608



9.6500, 9.9913, 12.7047



6.7410, 3.2385, 33.8264



0.3317, 0.2208, 1.4750

Inverse Universe

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



30.1139, 21.6643, 18.2177



49.7196, 32.2540, 23.1464



37.1179, 48.1840, 18.9005



10.1346, 10.1025, 10.7995



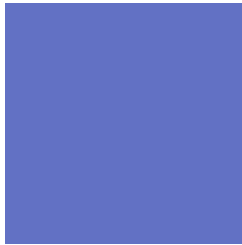
14.7985, 7.6092, 1.5852



0.6598, 0.3369, 0.1759

Previews

White Background



This preview shows how the XYZ color 20.9059, 18.3924, 54.6728 looks on a white background.

Color Contrast Check

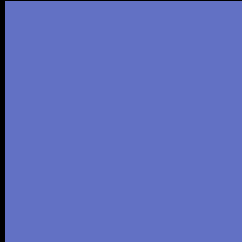
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9059, 18.3924, 54.6728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

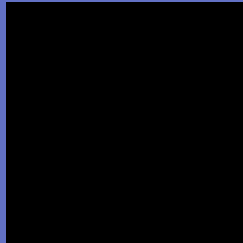
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.9059, 18.3924, 54.6728

Background



This preview shows how black text looks on a background with the XYZ color 20.9059, 18.3924, 54.6728.

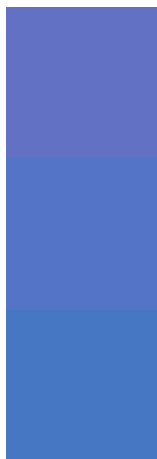


This preview shows how white text looks on a background with the XYZ color 20.9059, 18.3924,

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

20.9059, 18.3924, 54.6728

Protanopia

20.2104, 18.4991, 56.5383

Deuteranopia

18.9729, 18.4359, 54.1883



Tritanopia

15.1292, 18.3615, 26.0393

Trichromacy



Original Color

20.9059, 18.3924, 54.6728

Protanomaly

20.4436, 18.4625, 55.9122

Deuteranomaly

19.5199, 18.3682, 54.1464

Tritanomaly

16.8467, 18.1218, 34.9577

Monochromacy



Original Color

20.9059, 18.3924, 54.6728

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.9892, 17.9456, 29.7098

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9059, 18.3924, 54.6728 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(98, 113, 196) looks like.

```
.text, #text, p{  
    color:rgb(98, 113, 196)  
}
```

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(98, 113, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 113, 196) }
```

Border

The CSS property to change the border of an element to XYZ 20.9059, 18.3924, 54.6728 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(98, 113, 196) }
```


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

```
.border{ border-color:rgb(98, 113, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 113, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 113, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 113, 196);  
box-shadow:4px 4px 4px 4px rgb(98, 113,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9059, 18.3924, 54.6728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 113, 196) }
```

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

```
.background{ background-color: rgb(98, 113,  
196) }
```

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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