

Converting Colors

XYZ(20.9215, 21.1888, 46.4339)

Have a look what the booklet for
XYZ(20.9215, 21.1888, 46.4339)
contains.

XYZ(20.7574, 21.0154, 46.1424)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.7574, 21.0154,
46.1424)**

Conversions

Conversions Part 1

Format	Color
Hex	617FB4
RGB	97, 127, 180
RGB Percent	38%, 50%, 71%
CMY	0.6196, 0.5020, 0.2941
CMYK	0.46, 0.29, 0.00, 0.29
HSL	218°, 36%, 54%
HSV	218°, 46%, 71%
XYZ	20.7574, 21.0154, 46.1424
YIQ	124.0720, -34.8930, 10.1230

Conversions

Conversions Part 2

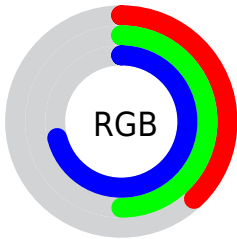
Format	Color
R _Y B	97, 119, 180
Decimal	6389684
CIE Lab	52.97, 3.83, -31.32
CIE LCh	53, 31.552, 276.980
Yxy	21.0154, 0.2361, 0.2390
Android (android.graphics.Color)	4284579764 (0xFF617FB4)
YUV	124.0720, 27.5725, -23.7421
Hunter-Lab	45.8426, 0.5999, -27.5880

Details

The XYZ color **20.7574, 21.0154, 46.1424** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **31.8873, 32.3803, 15.8797**, and the grayscale version is **19.1022, 20.0970, 21.8856**.

A 20% lighter version of the original color is **44.2241, 45.2780, 85.7655**, and **7.5514, 7.4947, 21.1273** is the 20% darker color. If you saturate the color by 10%, you get **17.6519, 17.3353, 45.5961**, and if you desaturate by 10%, it is **24.4689, 25.2601, 46.7665**.

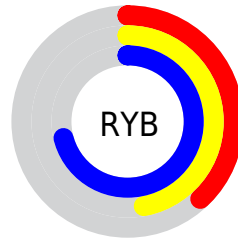
Distribution



Red (38%)

Green (50%)

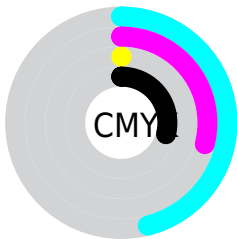
Blue (71%)



Red (38%)

Yellow (47%)

Blue (71%)

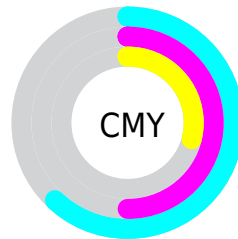


Cyan (46%)

Magenta (29%)

Yellow (0%)

Black (29%)



Cyan (62%)

Magenta (50%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7574, 21.0154, 46.1424 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 20.7574, 21.0154, 46.1424 by changing the saturation by 10% instead.

■ 20.7574, 21.0154,
46.1424

■ 20.7574, 21.0154,
46.1424

248.7426,
257.3603, 387.6751

■ 13.0582, 13.1353,
32.0087

■ 44.1778, 45.1132,
85.7686

■ 7.5459, 7.5218,
21.1033

■ 60.6297, 62.0996,
112.0982

■ 3.8551, 3.7905,
13.0075

■ 80.7298, 82.8902,
143.3302

■ 1.6205, 1.5571,
7.3030

■ 104.8437,
107.8694, 179.8831

■ 0.4057, 0.3284,
3.5710

133.3365,
137.4217, 222.1756

■ 0.0000, 0.0000,
1.3931

166.5737,

■ 0.0000, 0.0000,

171.9313, 270.6260

0.1363

204.9206,
211.7827, 325.6530

■ 0.0000, 0.0000,
0.0000

■ 20.7574, 21.0154,
46.1424

■ 20.7574, 21.0154,
46.1424

■ 17.6519, 17.3353,
45.5961

■ 24.4689, 25.2601,
46.7665

■ 15.1147, 14.1909,
45.1229

■ 28.8167, 30.0919,
47.4700

■ 13.1070, 11.5535,
44.7197

■ 33.8314, 35.5346,
48.2562

■ 11.5836, 9.3906,
44.3825

■ 39.5410, 41.6099,
49.1279

■ 10.4869, 7.6623,
44.1067

■ 45.9719, 48.3387,
50.0878

■ 10.1319, 7.0826,
44.0135

■ 53.1491, 55.7404,
51.1382

■ 61.0961, 63.8338,
52.2815

■ 69.8357, 72.6371,
53.5201

■ 77.9006, 81.4000,
54.7864

Harmonies

Analogous

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



17.5891, 21.0154, 44.0743



20.7574, 21.0154, 46.1424



24.0498, 21.0154, 40.7357

Triad

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



20.7574, 21.0154, 46.1424



25.4983, 21.0154, 13.5810



14.6740, 21.0154, 16.4726

Complementary

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



20.7574, 21.0154, 46.1424



31.8873, 32.3803, 15.8797

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.



16.3877, 21.0154, 11.1975



20.7574, 21.0154, 46.1424



22.5664, 21.0154, 9.8785

Square

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



20.7574, 21.0154, 46.1424



26.9760, 21.0154, 20.7393



19.2116, 21.0154, 9.1459



14.3032, 21.0154, 25.1678

Rectangle

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



20.7574, 21.0154, 46.1424



25.7961, 21.0154, 34.3127



19.2116, 21.0154, 9.1459



15.1021, 21.0154, 14.3222

Sweetspot

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



20.7581, 21.0162, 46.1429



63.1810, 66.4021, 87.7815



26.7220, 37.3726, 34.4777



13.2042, 13.8676, 18.9030



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



20.7581, 21.0162, 46.1429



32.0922, 31.5362, 82.6903



18.7063, 15.0381, 45.0972



8.2850, 8.7163, 10.7521



7.1302, 5.0608, 30.7380



0.2809, 0.2724, 0.9860

Inverse Universe

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



26.9286, 19.7859, 22.4791



44.9232, 30.0876, 33.2339



34.8275, 41.9338, 17.5687



8.6191, 8.5543, 9.4924



13.8336, 7.0510, 4.2840



0.4638, 0.2333, 0.2852

Previews

White Background



This preview shows how the XYZ color 20.7574, 21.0154, 46.1424 looks on a white background.

Color Contrast Check

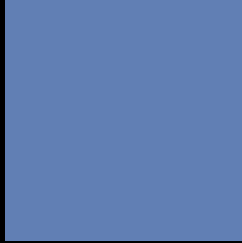
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7574, 21.0154, 46.1424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

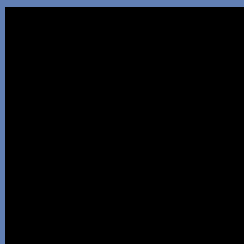
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

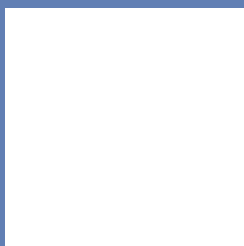
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.7574, 21.0154, 46.1424

Background



This preview shows how black text looks on a background with the XYZ color 20.7574, 21.0154, 46.1424.

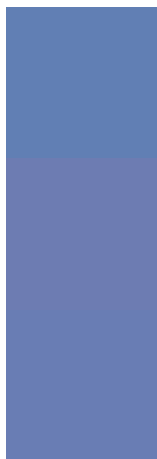


This preview shows how white text looks on a background with the XYZ color 20.7574, 21.0154,

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

20.7574, 21.0154, 46.1424

Protanopia

21.5502, 20.8809, 45.0141

Deuteranopia

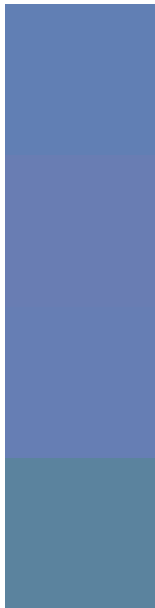
21.3975, 20.9658, 46.0990



Tritanopia

17.5664, 21.1208, 29.9389

Trichromacy



Original Color

20.7574, 21.0154, 46.1424

Protanomaly

21.2960, 20.9252, 45.5644

Deuteranomaly

21.1786, 21.0418, 46.1253

Tritanomaly

18.6022, 20.9254, 35.4063

Monochromacy



Original Color

20.7574, 21.0154, 46.1424

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.3071, 20.2583, 29.2782

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7574, 21.0154, 46.1424 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(97, 127, 180)` looks like.

```
.text, #text, p{  
    color:rgb(97, 127, 180)  
}
```

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(97, 127, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 127, 180) }
```

Border

The CSS property to change the border of an element to XYZ 20.7574, 21.0154, 46.1424 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(97, 127, 180) }
```


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

```
.border{ border-color:rgb(97, 127, 180) }
```

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

Here you see how a box with a 4 pixel rgb(97, 127, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 127, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 127, 180);  
box-shadow:4px 4px 4px 4px rgb(97, 127,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7574, 21.0154, 46.1424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 127, 180) }
```

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

```
.background{ background-color: rgb(97, 127,  
180) }
```

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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