

Converting Colors

XYZ(20.4476, 14.6332, 68.4692)

Have a look what the booklet for
XYZ(20.4476, 14.6332, 68.4692)
contains.

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Color

**XYZ(20.4577, 14.6229,
68.7621)**

Conversions

Conversions Part 1

Format	Color
Hex	575BDB
RGB	87, 91, 219
RGB Percent	34%, 36%, 86%
CMY	0.6588, 0.6431, 0.1412
CMYK	0.60, 0.58, 0.00, 0.14
HSL	238°, 65%, 60%
HSV	238°, 60%, 86%
XYZ	20.4577, 14.6229, 68.7621
YIQ	104.3960, -43.4720, 38.9600

Conversions

Conversions Part 2

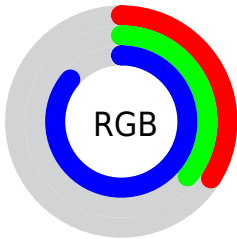
Format	Color
R_{YB}	87, 91, 219
Decimal	5725147
CIE Lab	45.11, 36.23, -66.22
CIE LCh	45, 75.484, 298.681
Yxy	14.6229, 0.1970, 0.1408
Android (android.graphics.Color)	4283915227 (0xFF575BDB)
YUV	104.3960, 56.4998, -15.2563
Hunter-Lab	38.2399, 28.5747, -79.8460

Details

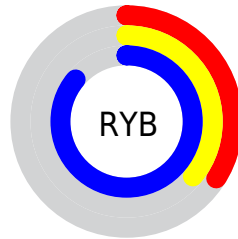
The XYZ color **20.4577, 14.6229, 68.7621** is a dark color, and the websafe version is hex **6666FF**. The color can be described as dark muted blue. A complement of this color would be **55.2361, 64.3523, 18.5281**, and the grayscale version is **13.1264, 13.8100, 15.0391**.

A 20% lighter version of the original color is **39.7876, 32.5657, 98.7965**, and **7.5492, 4.5211, 35.1251** is the 20% darker color. If you saturate the color by 10%, you get **17.1486, 10.5927, 68.1590**, and if you desaturate by 10%, it is **24.9018, 20.0007, 69.5662**.

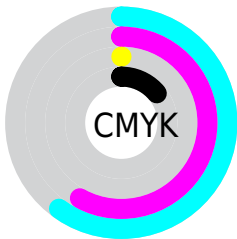
Distribution



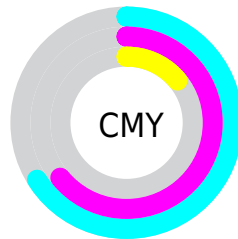
- Red (34%)
- Green (36%)
- Blue (86%)



- Red (34%)
- Yellow (36%)
- Blue (86%)



- Cyan (60%)
- Magenta (58%)
- Yellow (0%)
- Black (14%)



- Cyan (66%)
- Magenta (64%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4577, 14.6229, 68.7621 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 20.4577, 14.6229, 68.7621 by changing the saturation by 10% instead.

■ 20.4577, 14.6229,
68.7621

■ 20.4577, 14.6229,
68.7621

247.1689,
221.0722, 474.8627

■ 12.8384, 8.5552,
50.0474

■ 43.6813, 34.1903,
119.1062

■ 7.3936, 4.4522,
35.0796

■ 60.0164, 48.4587,
151.5728

■ 3.7579, 1.9296,
23.4402

■ 79.9874, 66.2294,
189.4603

■ 1.5661, 0.5661,
14.7105

■ 103.9596, 87.8869,
233.1875

■ 0.3702, 0.0000,
8.4721

■ 132.2986,
113.8156, 283.1727

■ 0.0000, 0.0000,
4.3064

165.3695,

■ 0.0000, 0.0000,

144.3997, 339.8347

1.7949

203.5378,
180.0238, 403.5918

■ 0.0000, 0.0000,
0.4246

■ 0.0000, 0.0000,
0.0000

■ 20.4577, 14.6229,
68.7621

■ 20.4577, 14.6229,
68.7621

■ 17.1486, 10.5927,
68.1590

■ 24.9018, 20.0007,
69.5662

■ 14.8698, 7.7897,
67.7380

■ 30.5691, 26.8298,
70.5857

■ 13.5006, 6.0745,
67.4791

■ 37.5413, 35.2054,
71.8349

■ 12.8582, 5.2584,
67.3555

■ 45.8927, 45.2139,
73.3266

■ 55.6919, 56.9358,
75.0726

■ 67.0030, 70.4458,
77.0842

■ 79.8861, 85.8146,
79.3716

■ 89.7863, 97.8945,
81.1815

Harmonies

Analogous

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



13.6254, 14.6229, 80.4813



20.4577, 14.6229, 68.7621



26.8084, 14.6229, 41.1545

Triad

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



20.4577, 14.6229, 68.7621



21.0803, 14.6229, 0.9296



5.0489, 14.6229, 15.1471

Complementary

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



20.4577, 14.6229, 68.7621



55.2361, 64.3523, 18.5281

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.



5.9863, 14.6229, 3.9363



20.4577, 14.6229, 68.7621



14.1755, 14.6229, 0.1620

Square

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



20.4577, 14.6229, 68.7621



27.2368, 14.6229, 4.4985



8.9168, 14.6229, 0.8081



5.8308, 14.6229, 38.6379

Rectangle

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



20.4577, 14.6229, 68.7621



29.2146, 14.6229, 23.6266



8.9168, 14.6229, 0.8081



5.1665, 14.6229, 10.1058

Sweetspot

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



20.4584, 14.6233, 68.7625



67.5403, 67.1250, 104.0044



41.4772, 57.5756, 72.9484



13.6442, 13.3952, 22.1164



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.



20.4584, 14.6233, 68.7625



23.3288, 13.8764, 96.0566



28.5171, 18.2842, 69.0444



12.3701, 12.6800, 16.4476



7.6386, 3.1466, 39.9432



0.5062, 0.2266, 2.5915

Inverse Universe

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



34.5106, 22.6329, 12.4473



44.8568, 26.3527, 9.7355



41.0356, 58.5602, 18.1586



13.0719, 13.0579, 13.6401



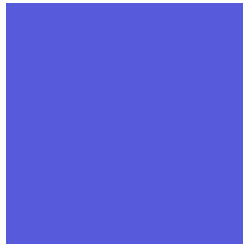
17.3509, 8.9414, 0.9621



1.1298, 0.5816, 0.0926

Previews

White Background



This preview shows how the XYZ color 20.4577, 14.6229, 68.7621 looks on a white background.

Color Contrast Check

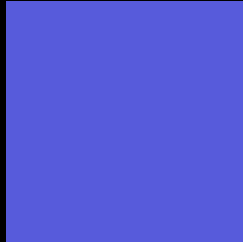
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 20.4577, 14.6229, 68.7621 looks on a black 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

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

XYZ 20.4577, 14.6229, 68.7621

Background



This preview shows how black text looks on a background with the XYZ color 20.4577, 14.6229, 68.7621.



This preview shows how white text looks on a background with the XYZ color 20.4577, 14.6229,

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

20.4577, 14.6229, 68.7621

Protanopia

17.2758, 14.5125, 67.5363

Deuteranopia

14.5457, 14.5681, 49.6222



Tritanopia

11.0075, 14.5107, 21.9594

Trichromacy



Original Color

20.4577, 14.6229, 68.7621

Protanomaly

17.6182, 14.1044, 68.1235

Deuteranomaly

15.6558, 13.9333, 55.8971

Tritanomaly

13.4065, 13.9833, 35.2501

Monochromacy



Original Color

20.4577, 14.6229, 68.7621

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

14.6872, 13.5957, 29.0443

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4577, 14.6229, 68.7621 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(87, 91, 219)` looks like.

```
.text, #text, p{  
    color:rgb(87, 91, 219)  
}
```

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(87, 91, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 91, 219) }
```

Border

The CSS property to change the border of an element to XYZ 20.4577, 14.6229, 68.7621 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(87, 91, 219) }
```


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

```
.border{ border-color:rgb(87, 91, 219) }
```

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

Here you see how a box with a 4 pixel rgb(87, 91, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 91, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 91, 219);  
box-shadow:4px 4px 4px 4px rgb(87, 91,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4577, 14.6229, 68.7621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 91, 219) }
```

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

```
.background{ background-color: rgb(87, 91,  
219) }
```

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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