

Converting Colors

XYZ(20.8982, 15.5097, 59.0197)

Have a look what the booklet for
XYZ(20.8982, 15.5097, 59.0197)
contains.

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Color

**XYZ(20.8456, 15.4292,
59.0062)**

Conversions

Conversions Part 1

Format	Color
Hex	6A5ECC
RGB	106, 94, 204
RGB Percent	42%, 37%, 80%
CMY	0.5843, 0.6314, 0.2000
CMYK	0.48, 0.54, 0.00, 0.20
HSL	247°, 52%, 58%
HSV	247°, 54%, 80%
XYZ	20.8456, 15.4292, 59.0062
YIQ	110.1280, -28.1580, 36.7540

Conversions

Conversions Part 2

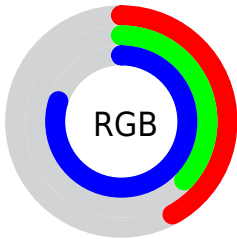
Format	Color
R _Y B	106, 94, 204
Decimal	6971084
CIE Lab	46.22, 33.35, -55.79
CIE LCh	46, 64.999, 300.874
Yxy	15.4292, 0.2188, 0.1619
Android (android.graphics.Color)	4285161164 (0xFF6A5ECC)
YUV	110.1280, 46.2789, -3.6203
Hunter-Lab	39.2800, 25.9885, -61.5691

Details

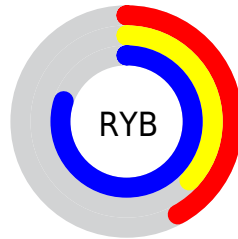
The XYZ color **20.8456, 15.4292, 59.0062** is a dark color, and the websafe version is hex **6666CC**. The color can be described as dark muted purple. A complement of this color would be **45.3511, 55.2003, 18.8544**, and the grayscale version is **14.7355, 15.5029, 16.8826**.

A 20% lighter version of the original color is **43.2797, 35.2573, 99.1320**, and **7.5680, 4.7838, 28.9583** is the 20% darker color. If you saturate the color by 10%, you get **17.3298, 11.2705, 58.3891**, and if you desaturate by 10%, it is **25.2998, 20.7834, 59.8052**.

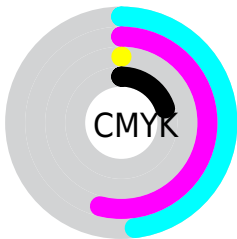
Distribution



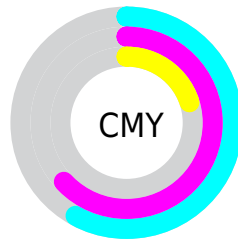
- Red (42%)
- Green (37%)
- Blue (80%)



- Red (42%)
- Yellow (37%)
- Blue (80%)



- Cyan (48%)
- Magenta (54%)
- Yellow (0%)
- Black (20%)



- Cyan (58%)
- Magenta (63%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8456, 15.4292, 59.0062 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 20.8456, 15.4292, 59.0062 by changing the saturation by 10% instead.

■ 20.8456, 15.4292,
59.0062

■ 20.8456, 15.4292,
59.0062

249.2041,
225.9496, 438.6274

■ 13.1230, 9.1212,
42.1981

■ 44.3236, 35.6044,
104.9159

■ 7.5909, 4.8203,
28.9297

■ 60.8098, 50.2403,
134.8545

■ 3.8839, 2.1422,
18.7825

■ 80.9479, 68.4210,
170.0071

■ 1.6367, 0.6882,
11.3380

■ 105.1032, 90.5308,
210.7921

■ 0.4161, 0.0000,
6.1776

133.6411,
116.9542, 257.6281

■ 0.0000, 0.0000,
2.8829

166.9270,

■ 0.0000, 0.0000,

148.0755, 310.9336

1.0351

205.3262,
184.2792, 371.1272

■ 0.0000, 0.0000,
0.0000

■ 20.8456, 15.4292,
59.0062

■ 20.8456, 15.4292,
59.0062

■ 17.3298, 11.2705,
58.3891

■ 25.2998, 20.7834,
59.8052

■ 14.6825, 8.2136,
57.9386

■ 30.7513, 27.4142,
60.7978

■ 12.8271, 6.1527,
57.6386

■ 37.2567, 35.3974,
61.9958

■ 11.6726, 4.9609,
57.4694

■ 44.8676, 44.8023,
63.4100

■ 11.2358, 4.5332,
57.4099

■ 53.6325, 55.6936,
65.0503

■ 63.5966, 68.1318,
66.9259

■ 74.8029, 82.1743,
69.0458

■ 86.5858, 96.4626,
71.1827

■ 87.8991, 97.1397,
71.2441

Harmonies

Analogous

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



14.8282, 15.4292, 69.5714



20.8456, 15.4292, 59.0062



26.0913, 15.4292, 36.4789

Triad

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



20.8456, 15.4292, 59.0062



20.4915, 15.4292, 1.7518



6.3781, 15.4292, 17.2698

Complementary

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



20.8456, 15.4292, 59.0062



45.3511, 55.2003, 18.8544

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.



7.1831, 15.4292, 5.8885



20.8456, 15.4292, 59.0062



14.5030, 15.4292, 1.0286

Square

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



20.8456, 15.4292, 59.0062



25.8532, 15.4292, 5.4965



9.8455, 15.4292, 1.8571



7.2847, 15.4292, 37.8484

Rectangle

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



20.8456, 15.4292, 59.0062



27.9137, 15.4292, 22.1239



9.8455, 15.4292, 1.8571



6.4552, 15.4292, 12.4067

Sweetspot

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



20.8463, 15.4297, 59.0066



71.2560, 70.4206, 104.4447



34.5855, 44.8796, 63.9669



14.6752, 14.3598, 22.2482



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.



20.8463, 15.4297, 59.0066



27.7471, 17.5531, 96.5334



29.3993, 19.8390, 59.4069



10.7135, 10.9016, 14.1099



7.1111, 2.8734, 36.1361



0.4061, 0.1685, 1.8661

Inverse Universe

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



38.4190, 24.6487, 52.6007



60.1067, 34.5558, 83.5568



34.0948, 49.3975, 18.3277



11.6328, 11.3818, 13.8667



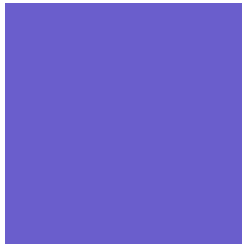
20.9922, 10.2075, 28.7415



1.0984, 0.5328, 1.5641

Previews

White Background



This preview shows how the XYZ color 20.8456, 15.4292, 59.0062 looks on a white background.

Color Contrast Check

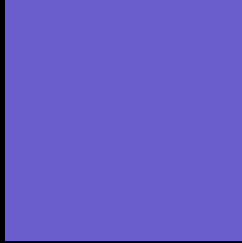
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8456, 15.4292, 59.0062 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

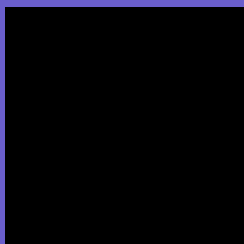
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.8456, 15.4292, 59.0062

Background



This preview shows how black text looks on a background with the XYZ color 20.8456, 15.4292, 59.0062.



This preview shows how white text looks on a background with the XYZ color 20.8456, 15.4292,

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

20.8456, 15.4292, 59.0062

Protanopia

18.3480, 15.6780, 67.0249

Deuteranopia

15.7625, 15.4001, 54.9651



Tritanopia

13.2227, 15.3289, 21.3306

Trichromacy



Original Color

20.8456, 15.4292, 59.0062

Protanomaly

18.6849, 15.3130, 64.2583

Deuteranomaly

16.3136, 14.7046, 56.6220

Tritanomaly

15.3218, 15.0394, 32.2323

Monochromacy



Original Color

20.8456, 15.4292, 59.0062

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

16.2910, 15.1655, 28.4542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8456, 15.4292, 59.0062 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(106, 94, 204)` looks like.

```
.text, #text, p{  
    color:rgb(106, 94, 204)  
}
```

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(106, 94, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 94, 204) }
```

Border

The CSS property to change the border of an element to XYZ 20.8456, 15.4292, 59.0062 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(106, 94, 204) }
```


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

```
.border{ border-color:rgb(106, 94, 204) }
```

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

Here you see how a box with a 4 pixel rgb(106, 94, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 94, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 94, 204);  
box-shadow:4px 4px 4px 4px rgb(106, 94,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8456, 15.4292, 59.0062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 94, 204) }
```

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

```
.background{ background-color: rgb(106, 94,  
204) }
```

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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