

Converting Colors

XYZ(20.5768, 15.3403, 63.4334)

Have a look what the booklet for
XYZ(20.5768, 15.3403, 63.4334)
contains.

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Color

**XYZ(20.5694, 15.3205,
63.5010)**

Conversions

Conversions Part 1

Format	Color
Hex	5F5FD3
RGB	95, 95, 211
RGB Percent	37%, 37%, 83%
CMY	0.6274, 0.6274, 0.1725
CMYK	0.55, 0.55, 0.00, 0.17
HSL	240°, 57%, 60%
HSV	240°, 55%, 83%
XYZ	20.5694, 15.3205, 63.5010
YIQ	108.2240, -37.2360, 36.0760

Conversions

Conversions Part 2

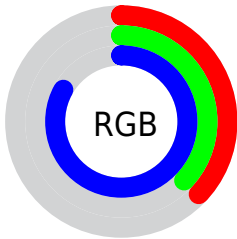
Format	Color
RYB	95, 95, 211
Decimal	6250451
CIELab	46.07, 32.65, -60.08
CIELCh	46, 68.378, 298.520
Yxy	15.3205, 0.2070, 0.1541
Android (android.graphics.Color)	4284440531 (0xFF5F5FD3)
YUV	108.2240, 50.6686, -11.5974
Hunter-Lab	39.1414, 25.3070, -68.7900

Details

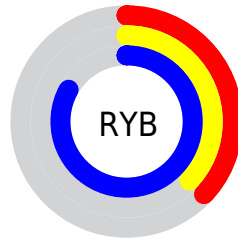
The XYZ color **20.5694, 15.3205, 63.5010** is a dark color, and the websafe version is hex **6666CC**. The color can be described as dark muted blue. A complement of this color would be **52.2228, 61.2633, 19.8993**, and the grayscale version is **14.1871, 14.9260, 16.2544**.

A 20% lighter version of the original color is **41.6553, 34.6478, 99.1000**, and **7.4156, 4.7699, 31.5402** is the 20% darker color. If you saturate the color by 10%, you get **17.0169, 11.0396, 62.8623**, and if you desaturate by 10%, it is **25.2314, 20.9375, 64.3398**.

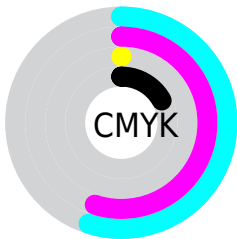
Distribution



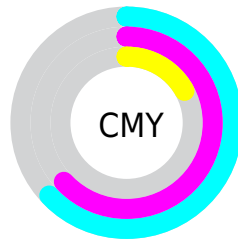
- Red (37%)
- Green (37%)
- Blue (83%)



- Red (37%)
- Yellow (37%)
- Blue (83%)



- Cyan (55%)
- Magenta (55%)
- Yellow (0%)
- Black (17%)



- Cyan (63%)
- Magenta (63%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5694, 15.3205, 63.5010 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 20.5694, 15.3205, 63.5010 by changing the saturation by 10% instead.

■ 20.5694, 15.3205,
63.5010

■ 20.5694, 15.3205,
63.5010

247.7564,
225.2980, 455.5433

■ 12.9203, 9.0446,
45.8030

■ 43.8665, 35.4145,
111.4845

■ 7.4503, 4.7703,
31.7429

■ 60.2452, 50.0013,
142.6072

■ 3.7941, 2.1131,
20.9020

■ 80.2644, 68.1273,
179.0418

■ 1.5863, 0.6720,
12.8618

■ 104.2895, 90.1769,
221.2069

■ 0.3835, 0.0000,
7.2039

132.6860,
116.5343, 269.5211

■ 0.0000, 0.0000,
3.5095

165.8190,

■ 0.0000, 0.0000,

147.5840, 324.4029

1.3603

204.0540,
183.7105, 386.2708

■ 0.0000, 0.0000,
0.1105

■ 0.0000, 0.0000,
0.0000

■ 20.5694, 15.3205,
63.5010

■ 20.5694, 15.3205,
63.5010

■ 17.0169, 11.0396,
62.8623

■ 25.2314, 20.9375,
64.3398

■ 14.4801, 7.9829,
62.4060

■ 31.0822, 27.9873,
65.3922

■ 12.8531, 6.0226,
62.1134

■ 38.1965, 36.5597,
66.6719

■ 12.0060, 5.0020,
61.9610

■ 46.6421, 46.7362,
68.1910

■ 11.7580, 4.7032,
61.9164

■ 56.4821, 58.5928,
69.9609

■ 67.7755, 72.2008,
71.9923

■ 80.5779, 87.6271,
74.2951

■ 88.7579, 97.4832,
75.7664

Harmonies

Analogous

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



14.2751, 15.3205, 73.4095



20.5694, 15.3205, 63.5010



26.3094, 15.3205, 39.5700

Triad

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



20.5694, 15.3205, 63.5010



21.2048, 15.3205, 1.5724



6.0093, 15.3205, 15.8689

Complementary

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



20.5694, 15.3205, 63.5010



52.2228, 61.2633, 19.8993

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.



6.9646, 15.3205, 4.9354



20.5694, 15.3205, 63.5010



14.8520, 15.3205, 0.7744

Square

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



20.5694, 15.3205, 63.5010



26.7396, 15.3205, 5.5983



9.8549, 15.3205, 1.4074



6.7897, 15.3205, 37.0794

Rectangle

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



20.5694, 15.3205, 63.5010



28.4723, 15.3205, 23.8891



9.8549, 15.3205, 1.4074



6.1319, 15.3205, 11.0923

Sweetspot

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



20.5701, 15.3210, 63.5014



69.9376, 69.7409, 104.3830



39.7717, 53.7249, 69.9021



14.3663, 14.2006, 22.2337



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.



20.5701, 15.3210, 63.5014



25.3371, 16.0000, 96.3606



28.9872, 19.6602, 63.8953



11.1638, 11.4177, 14.8591



7.0960, 2.8384, 37.3664



0.3968, 0.1587, 2.0893

Inverse Universe

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



42.7138, 26.7365, 64.5348



62.6729, 35.2475, 98.1025



38.4970, 54.1874, 19.2569



12.3108, 12.0091, 14.9127



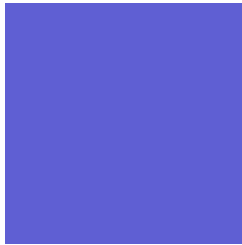
23.3077, 11.1959, 38.1219



1.3032, 0.6260, 2.1316

Previews

White Background



This preview shows how the XYZ color 20.5694, 15.3205, 63.5010 looks on a white background.

Color Contrast Check

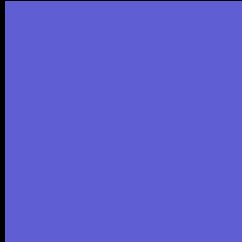
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5694, 15.3205, 63.5010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

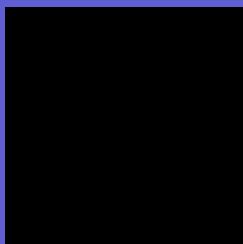
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.5694, 15.3205, 63.5010

Background



This preview shows how black text looks on a background with the XYZ color 20.5694, 15.3205, 63.5010.



This preview shows how white text looks on a background with the XYZ color 20.5694, 15.3205,

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

20.5694, 15.3205, 63.5010

Protanopia

18.4676, 15.4962, 71.1250

Deuteranopia

15.4220, 15.2639, 53.1723



Tritanopia

12.2415, 15.3189, 22.0503

Trichromacy



Original Color

20.5694, 15.3205, 63.5010

Protanomaly

18.3908, 14.9272, 68.2416

Deuteranomaly

16.1700, 14.6306, 56.6153

Tritanomaly

14.4561, 14.8675, 34.0061

Monochromacy



Original Color

20.5694, 15.3205, 63.5010

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

15.5546, 14.6284, 28.7918

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5694, 15.3205, 63.5010 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(95, 95, 211)` looks like.

```
.text, #text, p{  
  color:rgb(95, 95, 211)  
}
```

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(95, 95, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 95, 211) }
```

Border

The CSS property to change the border of an element to XYZ 20.5694, 15.3205, 63.5010 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(95, 95, 211) }
```


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

```
.border{ border-color:rgb(95, 95, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 95, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 95, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 95, 211);  
box-shadow:4px 4px 4px 4px rgb(95, 95,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5694, 15.3205, 63.5010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 95, 211) }
```

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

```
.background{ background-color: rgb(95, 95,  
211) }
```

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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