

Converting Colors

XYZ(19.5318, 13.1163, 66.4680)

Have a look what the booklet for
XYZ(19.5318, 13.1163, 66.4680)
contains.

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Color

**XYZ(19.5318, 13.1163,
66.4680)**

Conversions

Conversions Part 1

Format	Color
Hex	5952D8
RGB	89, 82, 216
RGB Percent	35%, 32%, 85%
CMY	0.6510, 0.6784, 0.1529
CMYK	0.59, 0.62, 0.00, 0.15
HSL	243°, 63%, 58%
HSV	243°, 62%, 85%
XYZ	19.5318, 13.1163, 66.4680
YIQ	99.3690, -38.8420, 43.1580

Conversions

Conversions Part 2

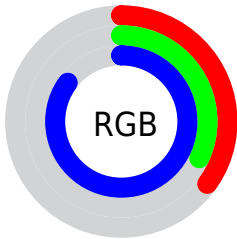
Format	Color
R _Y B	89, 82, 216
Decimal	5853912
CIE Lab	42.94, 41.01, -68.04
CIE LCh	43, 79.448, 301.079
Yxy	13.1163, 0.1971, 0.1323
Android (android.graphics.Color)	4284043992 (0xFF5952D8)
YUV	99.3690, 57.4991, -9.0936
Hunter-Lab	36.2164, 32.8877, -83.4634

Details

The XYZ color **19.5318, 13.1163, 66.4680** 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 **52.3717, 63.2756, 17.4358**, and the grayscale version is **11.8198, 12.4354, 13.5421**.

A 20% lighter version of the original color is **38.8789, 30.2066, 98.3890**, and **6.9760, 3.7998, 33.6235** is the 20% darker color. If you saturate the color by 10%, you get **16.4531, 9.4800, 65.9287**, and if you desaturate by 10%, it is **23.6704, 18.0598, 67.2044**.

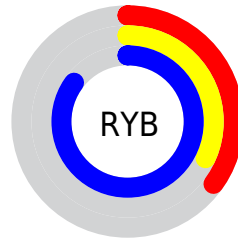
Distribution



Red (35%)

Green (32%)

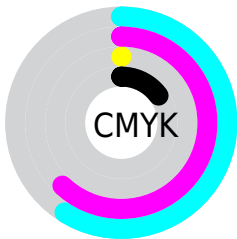
Blue (85%)



Red (35%)

Yellow (32%)

Blue (85%)

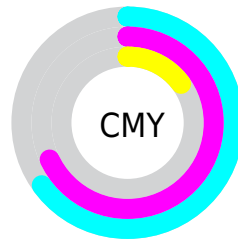


Cyan (59%)

Magenta (62%)

Yellow (0%)

Black (15%)



Cyan (65%)

Magenta (68%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5318, 13.1163, 66.4680 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 19.5318, 13.1163, 66.4680 by changing the saturation by 10% instead.

■ 19.5318, 13.1163,
66.4680

■ 19.5318, 13.1163,
66.4680

242.2512,
211.6617, 466.4986

■ 12.1614, 7.5087,
48.1935

■ 42.1408, 31.5126,
115.7912

■ 6.9267, 3.7822,
33.6191

■ 58.1101, 45.0700,
147.6770

■ 3.4622, 1.5525,
22.3261

■ 77.6765, 62.0462,
184.9369

■ 1.4027, 0.3253,
13.8961

■ 101.2052, 82.8254,
227.9897

■ 0.2581, 0.0000,
7.9105

■ 129.0617,
107.7922, 277.2536

■ 0.0000, 0.0000,
3.9508

161.6113,

■ 0.0000, 0.0000,

137.3309, 333.1474

1.5984

199.2194,
171.8260, 396.0896

■ 0.0000, 0.0000,
0.2897

■ 0.0000, 0.0000,
0.0000

■ 19.5318, 13.1163,
66.4680

■ 19.5318, 13.1163,
66.4680

■ 16.4531, 9.4800,
65.9287

■ 23.6704, 18.0598,
67.2044

■ 14.3357, 7.0258,
65.5666

■ 28.9516, 24.4175,
68.1532

■ 13.0662, 5.6062,
65.3595

■ 35.4522, 32.2870,
69.3296

■ 12.5367, 5.0311,
65.2764

■ 43.2418, 41.7566,
70.7468

■ 52.3847, 52.9080,
72.4174

■ 62.9409, 65.8171,
74.3527

■ 74.9669, 80.5554,
76.5636

■ 88.5160, 97.1904,
79.0604

■ 89.3947, 97.7379,
79.1198

Harmonies

Analogous

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



12.6883, 13.1163, 80.7743



19.5318, 13.1163, 66.4680



25.7624, 13.1163, 37.3772

Triad

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



19.5318, 13.1163, 66.4680



19.0215, 13.1163, 0.3140



4.0479, 13.1163, 14.9218

Complementary

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



19.5318, 13.1163, 66.4680



52.3717, 63.2756, 17.4358

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.



4.7757, 13.1163, 3.4352



19.5318, 13.1163, 66.4680



12.2476, 13.1163, 0.0000

Square

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



19.5318, 13.1163, 66.4680



25.4065, 13.1163, 3.0295



7.3510, 13.1163, 0.4186



4.8929, 13.1163, 39.4917

Rectangle

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



19.5318, 13.1163, 66.4680



27.9589, 13.1163, 20.1308



7.3510, 13.1163, 0.4186



4.1141, 13.1163, 9.6915

Sweetspot

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



19.5325, 13.1167, 66.4684



66.5720, 65.1954, 103.6830



38.7487, 52.5002, 73.0574



13.4708, 13.0063, 22.0504



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.



19.5325, 13.1167, 66.4684



23.0096, 12.6949, 95.8454



29.0644, 18.0305, 66.9144



11.8021, 12.0394, 15.6393



7.4482, 2.9922, 38.6381



0.4709, 0.1916, 2.3315

Inverse Universe

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



42.8442, 25.2367, 62.9306



59.7076, 31.7923, 89.4824



37.2859, 55.4985, 16.7298



12.9237, 12.6210, 15.5383



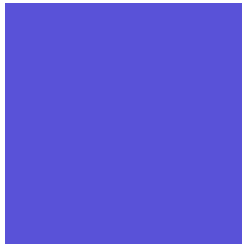
23.2761, 11.2468, 35.0876



1.4127, 0.6819, 2.1626

Previews

White Background



This preview shows how the XYZ color 19.5318, 13.1163, 66.4680 looks on a white background.

Color Contrast Check

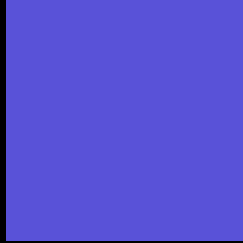
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.5318, 13.1163, 66.4680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

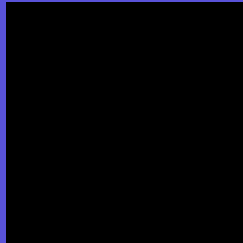
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.5318, 13.1163, 66.4680

Background



This preview shows how black text looks on a background with the XYZ color 19.5318, 13.1163, 66.4680.



This preview shows how white text looks on a background with the XYZ color 19.5318, 13.1163,

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

19.5318, 13.1163, 66.4680

Protanopia

15.4153, 13.0056, 60.0904

Deuteranopia

12.9862, 13.1150, 43.9665



Tritanopia

10.0780, 13.0881, 19.4479

Trichromacy



Original Color

19.5318, 13.1163, 66.4680

Protanomaly

16.0557, 12.6145, 62.5614

Deuteranomaly

14.2930, 12.4786, 51.5245

Tritanomaly

12.3765, 12.4716, 32.3268

Monochromacy



Original Color

19.5318, 13.1163, 66.4680

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

13.5162, 12.2146, 27.2365

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5318, 13.1163, 66.4680 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(89, 82, 216)` looks like.

```
.text, #text, p{  
    color:rgb(89, 82, 216)  
}
```

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(89, 82, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 82, 216) }
```

Border

The CSS property to change the border of an element to XYZ 19.5318, 13.1163, 66.4680 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(89, 82, 216) }
```


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

```
.border{ border-color:rgb(89, 82, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 82, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 82, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 82, 216);  
box-shadow:4px 4px 4px 4px rgb(89, 82,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5318, 13.1163, 66.4680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 82, 216) }
```

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

```
.background{ background-color: rgb(89, 82,  
216) }
```

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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