

Converting Colors

XYZ(19.0664, 12.8406, 56.7022)

Have a look what the booklet for
XYZ(19.0664, 12.8406, 56.7022)
contains.

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Color

**XYZ(19.1202, 12.8974,
56.7400)**

Conversions

Conversions Part 1

Format	Color
Hex	6850C9
RGB	104, 80, 201
RGB Percent	41%, 31%, 79%
CMY	0.5921, 0.6863, 0.2118
CMYK	0.48, 0.60, 0.00, 0.21
HSL	252°, 53%, 55%
HSV	252°, 60%, 79%
XYZ	19.1202, 12.8974, 56.7400
YIQ	100.9700, -24.5370, 42.7190

Conversions

Conversions Part 2

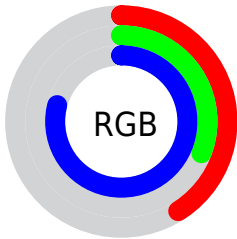
Format	Color
R_{YB}	104, 80, 201
Decimal	6836425
CIE _{Lab}	42.61, 40.35, -59.89
CIE _{LCh}	43, 72.217, 303.966
Yxy	12.8974, 0.2154, 0.1453
Android (android.graphics.Color)	4285026505 (0xFF6850C9)
YUV	100.9700, 49.3148, 2.6573
Hunter-Lab	35.9130, 32.1865, -68.5351

Details

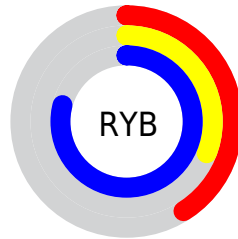
The XYZ color **19.1202, 12.8974, 56.7400** is a dark color, and the websafe version is hex **6666CC**. The color can be described as dark muted purple. A complement of this color would be **40.4653, 51.6993, 15.4357**, and the grayscale version is **12.2438, 12.8815, 14.0279**.

A 20% lighter version of the original color is **40.7306, 30.7623, 98.3987**, and **6.7284, 3.6766, 27.5492** is the 20% darker color. If you saturate the color by 10%, you get **16.1676, 9.5078, 56.2417**, and if you desaturate by 10%, it is **22.8715, 17.3522, 57.4024**.

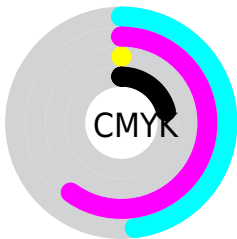
Distribution



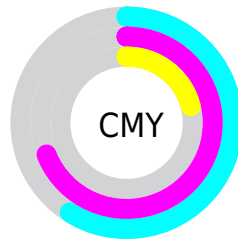
- Red (41%)
- Green (31%)
- Blue (79%)



- Red (41%)
- Yellow (31%)
- Blue (79%)



- Cyan (48%)
- Magenta (60%)
- Yellow (0%)
- Black (21%)



- Cyan (59%)
- Magenta (69%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1202, 12.8974, 56.7400 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 19.1202, 12.8974, 56.7400 by changing the saturation by 10% instead.

■ 19.1202, 12.8974,
56.7400

■ 19.1202, 12.8974,
56.7400

240.0369,
210.2591, 429.9408

■ 11.8617, 7.3579,
40.3886

■ 41.4524, 31.1193,
101.5823

■ 6.7211, 3.6869,
27.5255

■ 57.2568, 44.5706,
130.9102

■ 3.3331, 1.5000,
17.7324

■ 76.6406, 61.4279,
165.4007

■ 1.3322, 0.2887,
10.5906

■ 99.9690, 82.0757,
205.4723

■ 0.2072, 0.0000,
5.6816

■ 127.6075,
106.8983, 251.5436

■ 0.0000, 0.0000,
2.5868

159.9214,

■ 0.0000, 0.0000,

136.2801, 304.0331

0.8856

197.2761,
170.6056, 363.3593

■ 0.0000, 0.0000,
0.0000

■ 19.1202, 12.8974,
56.7400

■ 19.1202, 12.8974,
56.7400

■ 16.1676, 9.5078,
56.2417

■ 22.8715, 17.3522,
57.4024

■ 13.9508, 7.0905,
55.8919

■ 27.4740, 22.9518,
58.2407

■ 12.3999, 5.5381,
55.6740

■ 32.9778, 29.7697,
59.2666

■ 11.4129, 4.6657,
55.5576

■ 39.4285, 37.8727,
60.4906

■ 46.8686, 47.3227,
61.9225

■ 55.3378, 58.1777,
63.5714

■ 64.8739, 70.4921,
65.4457

■ 75.5124, 84.3175,
67.5536

■ 85.3759, 95.8801,
69.2655

Harmonies

Analogous

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



13.0001, 12.8974, 70.5838



19.1202, 12.8974, 56.7400



24.3390, 12.8974, 31.8368

Triad

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



19.1202, 12.8974, 56.7400



17.4761, 12.8974, 0.5994



4.4774, 12.8974, 16.2299

Complementary

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



19.1202, 12.8974, 56.7400



40.4653, 51.6993, 15.4357

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.



5.0309, 12.8974, 4.5399



19.1202, 12.8974, 56.7400



11.5458, 12.8974, 0.0992

Square

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



19.1202, 12.8974, 56.7400



23.2085, 12.8974, 3.0442



7.2732, 12.8974, 0.9486



5.4432, 12.8974, 38.4750

Rectangle

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



19.1202, 12.8974, 56.7400



25.9672, 12.8974, 17.4521



7.2732, 12.8974, 0.9486



4.4943, 12.8974, 11.1097

Sweetspot

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



19.1208, 12.8978, 56.7403



69.8500, 67.8072, 104.0143



29.9344, 38.0895, 61.0329



14.1954, 13.5587, 22.1189



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.



19.1208, 12.8978, 56.7403



26.4916, 14.9546, 96.0980



28.4509, 17.7077, 57.1770



10.2499, 10.3871, 13.3822



7.2362, 2.9646, 34.9352



0.4025, 0.1713, 1.6570

Inverse Universe

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



34.8916, 21.3291, 43.8710



56.2493, 30.9098, 69.7279



29.8491, 46.2265, 14.9389



10.9894, 10.7792, 12.9276



19.2301, 9.4416, 22.2192



0.9342, 0.4565, 1.1766

Previews

White Background



This preview shows how the XYZ color 19.1202, 12.8974, 56.7400 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 19.1202, 12.8974, 56.7400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

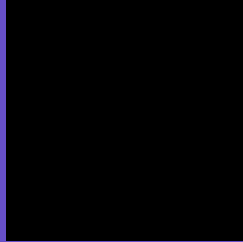
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.1202, 12.8974, 56.7400

Background



This preview shows how black text looks on a background with the XYZ color 19.1202, 12.8974, 56.7400.



This preview shows how white text looks on a background with the XYZ color 19.1202, 12.8974,

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

19.1202, 12.8974, 56.7400

Protanopia

15.4153, 13.0056, 60.0904

Deuteranopia

12.9869, 12.9552, 44.4639



Tritanopia

11.2567, 12.9577, 17.5306

Trichromacy



Original Color

19.1202, 12.8974, 56.7400

Protanomaly

15.4395, 12.2539, 58.6782

Deuteranomaly

13.8612, 12.1843, 48.6350

Tritanomaly

13.3182, 12.4848, 28.4959

Monochromacy



Original Color

19.1202, 12.8974, 56.7400

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

13.9092, 12.4596, 25.3388

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1202, 12.8974, 56.7400 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(104, 80, 201)` looks like.

```
.text, #text, p{  
    color:rgb(104, 80, 201)  
}
```

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(104, 80, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 80, 201) }
```

Border

The CSS property to change the border of an element to XYZ 19.1202, 12.8974, 56.7400 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(104, 80, 201) }
```


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

```
.border{ border-color:rgb(104, 80, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 80, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 80, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 80, 201);  
box-shadow:4px 4px 4px 4px rgb(104, 80,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1202, 12.8974, 56.7400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 80, 201) }
```

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

```
.background{ background-color: rgb(104, 80,  
201) }
```

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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