

Converting Colors

XYZ(19.0575, 12.6080, 35.6116)

Have a look what the booklet for
XYZ(19.0575, 12.6080, 35.6116)
contains.

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Color

**XYZ(19.0575, 12.6080,
35.6116)**

Conversions

Conversions Part 1

Format	Color
Hex	8849A2
RGB	136, 73, 162
RGB Percent	53%, 29%, 64%
CMY	0.4667, 0.7137, 0.3647
CMYK	0.16, 0.55, 0.00, 0.36
HSL	282°, 38%, 46%
HSV	282°, 55%, 64%
XYZ	19.0575, 12.6080, 35.6116
YIQ	101.9830, 8.9790, 41.0350

Conversions

Conversions Part 2

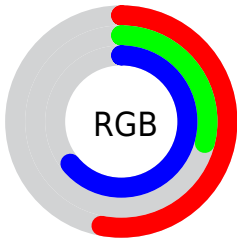
Format	Color
R _Y B	136, 73, 162
Decimal	8931746
CIE Lab	42.17, 41.93, -37.51
CIE LCh	42, 56.260, 318.185
Yxy	12.6080, 0.2833, 0.1874
Android (android.graphics.Color)	4287121826 (0xFF8849A2)
YUV	101.9830, 29.5884, 29.8329
Hunter-Lab	35.5077, 33.6649, -34.6080

Details

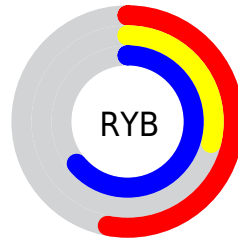
The XYZ color **19.0575, 12.6080, 35.6116** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **19.2689, 28.9747, 10.8810**, and the grayscale version is **12.5489, 13.2024, 14.3775**.

A 20% lighter version of the original color is **41.2179, 30.5014, 69.3606**, and **6.6687, 3.5386, 15.0834** is the 20% darker color. If you saturate the color by 10%, you get **17.3768, 10.3623, 35.2669**, and if you desaturate by 10%, it is **21.0503, 15.4267, 36.0508**.

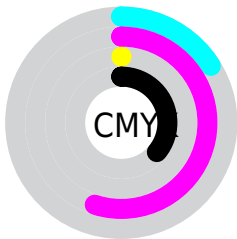
Distribution



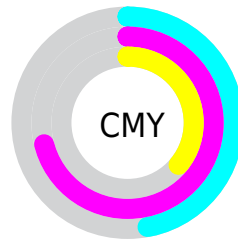
- Red (53%)
- Green (29%)
- Blue (64%)



- Red (53%)
- Yellow (29%)
- Blue (64%)



- Cyan (16%)
- Magenta (55%)
- Yellow (0%)
- Black (36%)



- Cyan (47%)
- Magenta (71%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0575, 12.6080, 35.6116 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 19.0575, 12.6080, 35.6116 by changing the saturation by 10% instead.

■ 19.0575, 12.6080,
35.6116

■ 19.0575, 12.6080,
35.6116

239.6980,
208.3899, 342.2456

■ 11.8161, 7.1592,
23.8471

■ 41.3474, 30.5977,
69.5944

■ 6.6899, 3.5618,
15.0091

■ 57.1265, 43.9074,
92.6498

■ 3.3135, 1.4316,
8.6791

■ 76.4823, 60.6062,
120.3059

■ 1.3216, 0.2399,
4.4385

■ 99.7801, 81.0784,
152.9812

■ 0.1993, 0.0000,
1.8689

■ 127.3852,
105.7085, 191.0943

■ 0.0000, 0.0000,
0.4728

159.6629,

■ 0.0000, 0.0000,

134.8808, 235.0637

0.0000

196.9788,
168.9798, 285.3080

■ 19.0575, 12.6080,
35.6116

■ 19.0575, 12.6080,
35.6116

■ 17.3768, 10.3623,
35.2669

■ 21.0503, 15.4267,
36.0508

■ 15.9844, 8.6437,
35.0086

■ 23.3738, 18.8564,
36.5904

■ 14.8550, 7.4019,
34.8284

■ 26.0469, 22.9334,
37.2364

■ 13.9564, 6.5736,
34.7159

■ 29.0864, 27.6910,
37.9945

■ 13.5492, 6.2315,
34.6713

■ 32.5080, 33.1600,
38.8698

■ 36.3264, 39.3692,
39.8671

■ 40.5556, 46.3460,
40.9908

■ 45.2088, 54.1163,
42.2454

■ 50.2987, 62.7047,
43.6348

Harmonies

Analogous

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



14.6815, 12.6080, 49.4544



19.0575, 12.6080, 35.6116



21.7410, 12.6080, 19.0228

Triad

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



19.0575, 12.6080, 35.6116



13.7124, 12.6080, 1.2585



5.8371, 12.6080, 22.2742

Complementary

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



19.0575, 12.6080, 35.6116



19.2689, 28.9747, 10.8810

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.



5.6947, 12.6080, 9.5199



19.0575, 12.6080, 35.6116



9.6381, 12.6080, 1.3985

Square

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



19.0575, 12.6080, 35.6116



18.2069, 12.6080, 2.7049



6.9206, 12.6080, 3.3672



7.3695, 12.6080, 39.1497

Rectangle

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



19.0575, 12.6080, 35.6116



21.8733, 12.6080, 10.6945



6.9206, 12.6080, 3.3672



5.6408, 12.6080, 17.2868

Sweetspot

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



19.0580, 12.6085, 35.6119



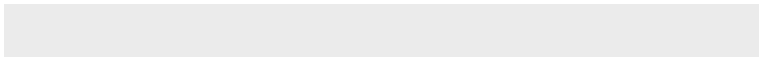
52.0089, 49.0142, 68.7756



13.7982, 13.0826, 35.9806



11.4314, 10.6155, 15.3840



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.0580, 12.6085, 35.6119



30.9147, 18.0058, 63.9022



22.3326, 14.4667, 28.0815



7.1618, 7.0978, 8.8956



10.7186, 4.9321, 27.3168



0.2686, 0.1260, 0.5760

Inverse Universe

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



19.5354, 13.3478, 13.3516



32.3330, 19.7618, 17.6648



17.5481, 28.0094, 14.3344



7.1549, 7.1184, 7.8023



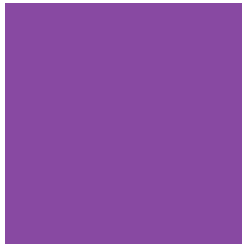
12.1651, 6.2221, 2.7938



0.2752, 0.1386, 0.1620

Previews

White Background



This preview shows how the XYZ color 19.0575, 12.6080, 35.6116 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 19.0575, 12.6080, 35.6116 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 19.0575, 12.6080, 35.6116

Background



This preview shows how black text looks on a background with the XYZ color 19.0575, 12.6080, 35.6116.



This preview shows how white text looks on a background with the XYZ color 19.0575, 12.6080,

35.6116.

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

19.0575, 12.6080, 35.6116

Protanopia

14.6072, 12.8644, 47.6121

Deuteranopia

13.0972, 12.8139, 33.6813



Tritanopia

14.4180, 12.6110, 12.9835

Trichromacy



Original Color

19.0575, 12.6080, 35.6116

Protanomaly

15.0817, 12.0386, 43.1238

Deuteranomaly

14.4284, 12.1427, 34.3842

Tritanomaly

15.8274, 12.4670, 19.6613

Monochromacy



Original Color

19.0575, 12.6080, 35.6116

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

14.3186, 12.5148, 20.7297

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0575, 12.6080, 35.6116 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(136, 73, 162)` looks like.

```
.text, #text, p{  
    color:rgb(136, 73, 162)  
}
```

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(136, 73, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 73, 162) }
```

Border

The CSS property to change the border of an element to XYZ 19.0575, 12.6080, 35.6116 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(136, 73, 162) }
```


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

```
.border{ border-color:rgb(136, 73, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 73, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 73, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 73, 162);  
box-shadow:4px 4px 4px 4px rgb(136, 73,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0575, 12.6080, 35.6116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 73, 162) }
```

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

```
.background{ background-color: rgb(136, 73,  
162) }
```

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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