

Converting Colors

XYZ(11.9174, 11.2510, 41.7316)

Have a look what the booklet for
XYZ(11.9174, 11.2510, 41.7316)
contains.

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Color

**XYZ(11.8564, 11.1716,
41.5758)**

Conversions

Conversions Part 1

Format	Color
Hex	105EAE
RGB	16, 94, 174
RGB Percent	6%, 37%, 68%
CMY	0.9372, 0.6314, 0.3176
CMYK	0.91, 0.46, 0.00, 0.32
HSL	210°, 83%, 37%
HSV	210°, 91%, 68%
XYZ	11.8564, 11.1716, 41.5758
YIQ	79.7980, -72.1680, 8.3440

Conversions

Conversions Part 2

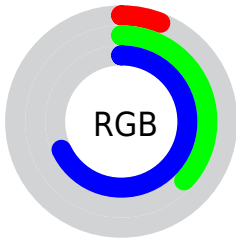
Format	Color
RYB	16, 68, 174
Decimal	1072814
CIELab	39.87, 9.02, -48.77
CIELCh	40, 49.599, 280.476
Yxy	11.1716, 0.1835, 0.1729
Android (android.graphics.Color)	4279262894 (0xFF105EAE)
YUV	79.7980, 46.4416, -55.9508
Hunter-Lab	33.4239, 4.8270, -50.3536

Details

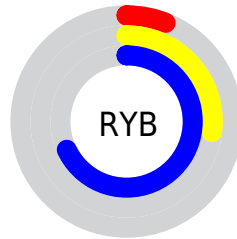
The XYZ color **11.8564, 11.1716, 41.5758** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **21.7345, 17.4064, 2.7054**, and the grayscale version is **7.5102, 7.9013, 8.6045**.

A 20% lighter version of the original color is **28.8723, 28.0394, 78.7533**, and **4.5495, 3.5771, 18.5398** is the 20% darker color. If you saturate the color by 10%, you get **10.9587, 9.6934, 41.3381**, and if you desaturate by 10%, it is **13.1125, 13.0496, 41.8723**.

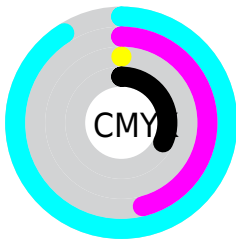
Distribution



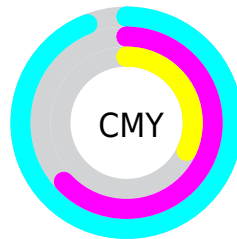
- Red (6%)
- Green (37%)
- Blue (68%)



- Red (6%)
- Yellow (27%)
- Blue (68%)



- Cyan (91%)
- Magenta (46%)
- Yellow (0%)
- Black (32%)



- Cyan (94%)
- Magenta (63%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8564, 11.1716, 41.5758 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 11.8564, 11.1716, 41.5758 by changing the saturation by 10% instead.

■ 11.8564, 11.1716,
41.5758

■ 11.8564, 11.1716,
41.5758

■ 197.2417,
198.8411, 368.4691

■ 6.7175, 6.1824,
28.4462

■ 28.8524, 27.9770,
78.8204

■ 3.3308, 2.9563,
18.4203

■ 41.4402, 40.5621,
103.7724

■ 1.3310, 1.1090,
11.0796

■ 57.2417, 56.4478,
133.5023

■ 0.2063, 0.0000,
6.0056

■ 76.6222, 76.0186,
168.4286

■ 0.0000, 0.0000,
2.7796

■ 99.9471, 99.6590,
208.9700

■ 0.0000, 0.0000,
0.9832

■ 127.5818,

■ 0.0000, 0.0000,

127.7533, 255.5448

0.0000

159.8915,
160.6858, 308.5716

■ 11.8564, 11.1716,
41.5758

■ 11.8564, 11.1716,
41.5758

■ 10.9587, 9.6934,
41.3381

■ 13.1125, 13.0496,
41.8723

■ 14.7492, 15.2607,
42.2129

■ 16.8086, 17.8309,
42.6004

■ 19.3261, 20.7822,
43.0374

■ 22.3332, 24.1347,
43.5260

■ 25.8583, 27.9064,
44.0682

■ 29.9273, 32.1144,
44.6660

■ 34.5646, 36.7744,
45.3211

■ 39.7927, 41.9014,
46.0351

Harmonies

Analogous

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



8.5730, 11.1716, 39.8590



11.8564, 11.1716, 41.5758



15.4720, 11.1716, 32.7871

Triad

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



11.8564, 11.1716, 41.5758



16.4319, 11.1716, 3.5894



5.5572, 11.1716, 6.9028

Complementary

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



11.8564, 11.1716, 41.5758



21.7345, 17.4064, 2.7054

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.



6.9034, 11.1716, 2.7381



11.8564, 11.1716, 41.5758



12.9654, 11.1716, 1.6585

Square

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



11.8564, 11.1716, 41.5758



18.4649, 11.1716, 9.0575



9.4695, 11.1716, 1.4634



5.3851, 11.1716, 15.9102

Rectangle

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



11.8564, 11.1716, 41.5758



17.4116, 11.1716, 23.9722



9.4695, 11.1716, 1.4634



5.8713, 11.1716, 5.0551

Sweetspot

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



11.8569, 11.1719, 41.5761



49.2375, 53.0585, 80.2831



17.4164, 31.2091, 15.9355



10.4215, 11.2470, 17.7660



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



11.8569, 11.1719, 41.5761



19.6548, 17.1363, 74.9086



8.0398, 3.5377, 40.3037



7.8931, 8.3856, 10.1553



8.0076, 7.1491, 30.0024



0.2776, 0.3086, 0.8529

Inverse Universe

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



19.6617, 10.1782, 11.5181



34.5886, 17.4931, 16.8890



32.6855, 39.3085, 6.3558



8.1638, 8.0788, 9.1736



13.9055, 7.0247, 7.1478



0.4145, 0.2065, 0.3447

Previews

White Background



This preview shows how the XYZ color 11.8564, 11.1716, 41.5758 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 11.8564, 11.1716, 41.5758 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 11.8564, 11.1716, 41.5758

Background



This preview shows how black text looks on a background with the XYZ color 11.8564, 11.1716, 41.5758.



This preview shows how white text looks on a background with the XYZ color 11.8564, 11.1716,

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

11.8564, 11.1716, 41.5758

Protanopia

12.6131, 11.2067, 40.0264

Deuteranopia

11.1601, 11.0116, 38.5830



Tritanopia

7.8196, 11.0483, 16.7593

Trichromacy



Original Color

11.8564, 11.1716, 41.5758

Protanomaly

12.1486, 11.0840, 40.5288

Deuteranomaly

11.4230, 11.1254, 39.5756

Tritanomaly

8.9354, 10.8743, 24.1823

Monochromacy



Original Color

11.8564, 11.1716, 41.5758

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

7.9731, 8.5818, 17.1558

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8564, 11.1716, 41.5758 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(16, 94, 174)` looks like.

```
.text, #text, p{  
    color:rgb(16, 94, 174)  
}
```

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(16, 94, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 94, 174) }
```

Border

The CSS property to change the border of an element to XYZ 11.8564, 11.1716, 41.5758 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(16, 94, 174) }
```


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

```
.border{ border-color:rgb(16, 94, 174) }
```

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

Here you see how a box with a 4 pixel rgb(16, 94, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 94, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 94, 174);  
box-shadow:4px 4px 4px 4px rgb(16, 94,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8564, 11.1716, 41.5758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 94, 174) }
```

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

```
.background{ background-color: rgb(16, 94,  
174) }
```

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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