

Converting Colors

XYZ(11.4994, 8.3545, 48.9800)

Have a look what the booklet for
XYZ(11.4994, 8.3545, 48.9800)
contains.

XYZ(11.5027, 8.3089, 49.1416)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(11.5027, 8.3089,
49.1416)**

Conversions

Conversions Part 1

Format	Color
Hex	0048BD
RGB	0, 72, 189
RGB Percent	0%, 28%, 74%
CMY	0.9998, 0.7176, 0.2588
CMYK	1.00, 0.62, 0.00, 0.26
HSL	217°, 100%, 37%
HSV	217°, 100%, 74%
XYZ	11.5027, 8.3089, 49.1416
YIQ	63.8100, -80.4690, 21.1230

Conversions

Conversions Part 2

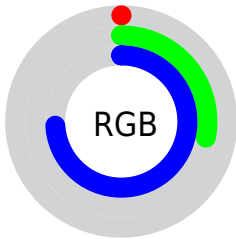
Format	Color
R _Y B	0, 52, 189
Decimal	18621
CIE Lab	34.62, 29.14, -66.14
CIE LCh	35, 72.273, 293.776
Yxy	8.3089, 0.1668, 0.1205
Android (android.graphics.Color)	4278208701 (0xFF0048BD)
YUV	63.8100, 61.7187, -55.9614
Hunter-Lab	28.8252, 20.7865, -80.9009

Details

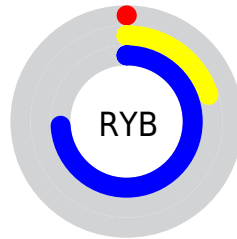
The XYZ color **11.5027, 8.3089, 49.1416** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **27.3526, 23.5510, 3.1053**, and the grayscale version is **4.7662, 5.0144, 5.4607**.

A 20% lighter version of the original color is **28.1749, 22.5736, 90.0609**, and **4.7673, 2.6498, 22.8144** is the 20% darker color. If you saturate the color by 10%, you get **11.5011, 8.3056, 49.1413**, and if you desaturate by 10%, it is **12.6000, 10.1065, 49.4310**.

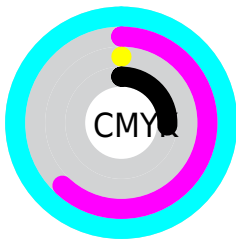
Distribution



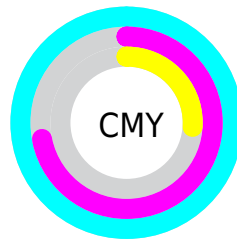
- Red (0%)
- Green (28%)
- Blue (74%)



- Red (0%)
- Yellow (20%)
- Blue (74%)



- Cyan (100%)
- Magenta (62%)
- Yellow (0%)
- Black (26%)



- Cyan (100%)
- Magenta (72%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.5027, 8.3089, 49.1416 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 11.5027, 8.3089, 49.1416 by changing the saturation by 10% instead.

■ 11.5027, 8.3089,
49.1416

■ 11.5027, 8.3089,
49.1416

194.9225,
178.1352, 399.9380

■ 6.4758, 4.2932,
34.3654

■ 28.2109, 22.5618,
90.2849

■ 3.1799, 1.8389,
22.8948

■ 40.6228, 33.5679,
117.4891

■ 1.2496, 0.5113,
14.3113

■ 56.2272, 47.6728,
149.6730

■ 0.1450, 0.0000,
8.1963

■ 75.3893, 65.2611,
187.2553

■ 0.0000, 0.0000,
4.1312

■ 98.4746, 86.7171,
230.6543

■ 0.0000, 0.0000,
1.6976

■ 125.8483,

■ 0.0000, 0.0000,

112.4251, 280.2888

0.3591

157.8758,
142.7697, 336.5772

■ 0.0000, 0.0000,
0.0000

■ 11.5027, 8.3089,
49.1416

■ 11.5027, 8.3089,
49.1416

■ 11.5011, 8.3056,
49.1413

■ 12.6000, 10.1065,
49.4310

■ 14.1075, 12.3407,
49.7828

■ 16.1268, 15.0741,
50.2039

■ 18.7115, 18.3443,
50.6989

■ 21.9080, 22.1844,
51.2717

■ 25.7571, 26.6241,
51.9257

■ 30.2963, 31.6911,
52.6645

■ 35.5597, 37.4109,
53.4912

■ 41.5791, 43.8076,
54.4086

Harmonies

Analogous

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



7.0766, 8.3089, 54.8331



11.5027, 8.3089, 49.1416



16.0710, 8.3089, 29.8899

Triad

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



11.5027, 8.3089, 49.1416



13.5023, 8.3089, 0.0967



2.3827, 8.3089, 6.8223

Complementary

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



11.5027, 8.3089, 49.1416



27.3526, 23.5510, 3.1053

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.



3.1074, 8.3089, 1.2044



11.5027, 8.3089, 49.1416



8.7792, 8.3089, 0.0000

Square

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



11.5027, 8.3089, 49.1416



17.4765, 8.3089, 2.6742



5.1371, 8.3089, 0.0000



2.6725, 8.3089, 21.4704

Rectangle

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



11.5027, 8.3089, 49.1416



18.0837, 8.3089, 16.8920



5.1371, 8.3089, 0.0000



2.5045, 8.3089, 4.1081

Sweetspot

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



11.5032, 8.3091, 49.1419



53.8228, 56.2764, 94.2519



21.3836, 37.6698, 22.8399



10.8099, 11.2544, 20.1451



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



11.5032, 8.3091, 49.1419



20.3850, 14.4485, 87.9406



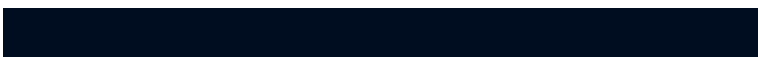
9.5185, 3.8465, 48.3851



9.3063, 9.8049, 12.0742



7.8069, 5.7256, 33.0866



0.3694, 0.3514, 1.3172

Inverse Universe

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



22.1565, 11.2876, 7.1418



39.5722, 20.1708, 12.2158



34.1247, 44.6060, 6.8124



9.6765, 9.5949, 10.6852



14.9413, 7.6077, 4.9847



0.6174, 0.3108, 0.3643

Previews

White Background



This preview shows how the XYZ color 11.5027, 8.3089, 49.1416 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 ✓ Pass

Black Background



This preview shows how the XYZ color 11.5027, 8.3089, 49.1416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

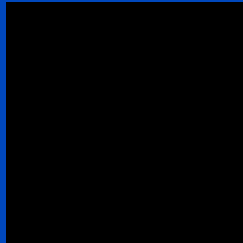
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.5027, 8.3089, 49.1416

Background



This preview shows how black text looks on a background with the XYZ color 11.5027, 8.3089, 49.1416.



This preview shows how white text looks on a background with the XYZ color 11.5027, 8.3089,

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

11.5027, 8.3089, 49.1416

Protanopia

9.6073, 8.2020, 37.1532

Deuteranopia

8.0528, 8.2936, 26.7676



Tritanopia

5.8524, 8.3267, 12.3651

Trichromacy



Original Color

11.5027, 8.3089, 49.1416

Protanomaly

10.2244, 8.2249, 41.0931

Deuteranomaly

9.1267, 8.2405, 33.9104

Tritanomaly

7.1996, 7.9524, 22.2746

Monochromacy



Original Color

11.5027, 8.3089, 49.1416

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

5.6819, 5.5899, 15.2475

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.5027, 8.3089, 49.1416 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(0, 72, 189)` looks like.

```
.text, #text, p{  
    color:rgb(0, 72, 189)  
}
```

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(0, 72, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 72, 189) }
```

Border

The CSS property to change the border of an element to XYZ 11.5027, 8.3089, 49.1416 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(0, 72, 189) }
```


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

```
.border{ border-color:rgb(0, 72, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 72, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 72, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 72, 189);  
box-shadow:4px 4px 4px 4px rgb(0, 72, 189)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.5027, 8.3089, 49.1416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 72, 189) }
```

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

```
.background{ background-color: rgb(0, 72,  
189) }
```

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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