

Converting Colors

XYZ(13.8888, 9.0647, 45.8174)

Have a look what the booklet for
XYZ(13.8888, 9.0647, 45.8174)
contains.

XYZ(13.8888, 9.0647, 45.8174)	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(13.8888, 9.0647,
45.8174)**

Conversions

Conversions Part 1

Format	Color
Hex	5142B7
RGB	81, 66, 183
RGB Percent	32%, 26%, 72%
CMY	0.6823, 0.7412, 0.2824
CMYK	0.56, 0.64, 0.00, 0.28
HSL	248°, 47%, 49%
HSV	248°, 64%, 72%
XYZ	13.8888, 9.0647, 45.8174
YIQ	83.8230, -28.6170, 39.5670

Conversions

Conversions Part 2

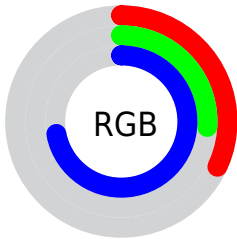
Format	Color
R _Y B	81, 66, 183
Decimal	5325495
CIE Lab	36.11, 38.75, -60.03
CIE LCh	36, 71.451, 302.844
Yxy	9.0647, 0.2020, 0.1318
Android (android.graphics.Color)	4283515575 (0xFF5142B7)
YUV	83.8230, 48.8943, -2.4758
Hunter-Lab	30.1076, 29.6545, -69.1514

Details

The XYZ color **13.8888, 9.0647, 45.8174** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **34.0646, 42.5849, 11.5787**, and the grayscale version is **8.2977, 8.7298, 9.5068**.

A 20% lighter version of the original color is **32.5064, 24.0417, 85.3653**, and **4.2306, 2.1213, 20.9554** is the 20% darker color. If you saturate the color by 10%, you get **11.7754, 6.6340, 45.4598**, and if you desaturate by 10%, it is **16.6663, 12.3454, 46.3045**.

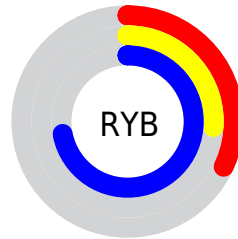
Distribution



Red (32%)

Green (26%)

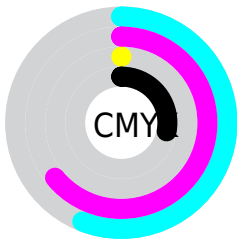
Blue (72%)



Red (32%)

Yellow (26%)

Blue (72%)

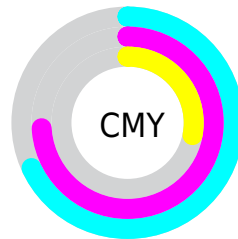


Cyan (56%)

Magenta (64%)

Yellow (0%)

Black (28%)



Cyan (68%)

Magenta (74%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8888, 9.0647, 45.8174 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 13.8888, 9.0647, 45.8174 by changing the saturation by 10% instead.

■ 13.8888, 9.0647,
45.8174

■ 13.8888, 9.0647,
45.8174

210.0624,
183.8598, 386.3303

■ 8.1245, 4.7834,
31.7541

■ 32.4795, 24.0208,
85.2771

■ 4.2272, 2.1207,
20.9105

■ 46.0367, 35.4643,
111.5105

■ 1.8315, 0.6763,
12.8680

■ 62.9222, 50.0641,
142.6378

■ 0.5365, 0.0000,
7.2081

■ 83.5014, 68.2044,
179.0774

■ 0.0000, 0.0000,
3.5121

■ 108.1397, 90.2698,
221.2480

■ 0.0000, 0.0000,
1.3617

■ 137.2024,

■ 0.0000, 0.0000,

116.6445, 269.5679

0.1116

171.0548,
147.7131, 324.4558

■ 0.0000, 0.0000,
0.0000

■ 13.8888, 9.0647,
45.8174

■ 13.8888, 9.0647,
45.8174

■ 11.7754, 6.6340,
45.4598

■ 16.6663, 12.3454,
46.3045

■ 10.2679, 4.9728,
45.2187

■ 20.1565, 16.5450,
46.9311

■ 9.3000, 3.9863,
45.0793

■ 24.4053, 21.7261,
47.7072

■ 8.9115, 3.6066,
45.0264

■ 29.4540, 27.9455,
48.6416

■ 35.3410, 35.2560,
49.7424

■ 42.1023, 43.7063,
51.0171

■ 49.7717, 53.3425,
52.4729

■ 58.3812, 64.2081,
54.1164

■ 67.9613, 76.3443,
55.9540

Harmonies

Analogous

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



9.0301, 9.0647, 57.0173



13.8888, 9.0647, 45.8174



18.1979, 9.0647, 24.9911

Triad

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



13.8888, 9.0647, 45.8174



12.9398, 9.0647, 0.0000



2.7363, 9.0647, 11.0850

Complementary

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



13.8888, 9.0647, 45.8174



34.0646, 42.5849, 11.5787

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.



3.1751, 9.0647, 2.5513



13.8888, 9.0647, 45.8174



8.2142, 9.0647, 0.0000

Square

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



13.8888, 9.0647, 45.8174



17.5346, 9.0647, 1.8151



4.8814, 9.0647, 0.1557



3.3895, 9.0647, 28.9421

Rectangle

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



13.8888, 9.0647, 45.8174



19.6201, 9.0647, 13.1037



4.8814, 9.0647, 0.1557



2.7615, 9.0647, 7.2174

Sweetspot

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



13.8893, 9.0650, 45.8176



57.4321, 55.8507, 87.9890



25.0474, 33.0837, 49.8656



12.0378, 11.5331, 19.3133



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



13.8893, 9.0650, 45.8176



19.7914, 10.4306, 81.2059



21.0017, 12.7315, 46.1505



8.6253, 8.7732, 11.3182



6.2501, 2.5333, 31.4126



0.2552, 0.1073, 1.1090

Inverse Universe

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



28.5443, 16.7909, 38.7805



48.4233, 25.5611, 65.8211



24.4537, 37.6303, 11.1289



9.3300, 9.1424, 11.0853



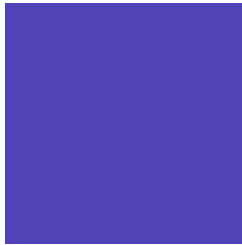
18.0391, 8.7894, 23.8904



0.6499, 0.3154, 0.9157

Previews

White Background



This preview shows how the XYZ color 13.8888, 9.0647, 45.8174 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 13.8888, 9.0647, 45.8174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

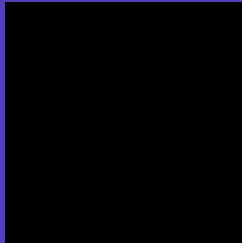
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.8888, 9.0647, 45.8174

Background



This preview shows how black text looks on a background with the XYZ color 13.8888, 9.0647, 45.8174.



This preview shows how white text looks on a background with the XYZ color 13.8888, 9.0647,

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

13.8888, 9.0647, 45.8174

Protanopia

10.5601, 9.0517, 40.7257

Deuteranopia

8.8330, 8.9863, 29.7028



Tritanopia

7.2611, 9.0421, 12.9179

Trichromacy



Original Color

13.8888, 9.0647, 45.8174

Protanomaly

11.0269, 8.6044, 42.6746

Deuteranomaly

9.7357, 8.4264, 34.8315

Tritanomaly

8.9042, 8.6117, 21.9618

Monochromacy



Original Color

13.8888, 9.0647, 45.8174

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

9.6113, 8.5028, 18.9039

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8888, 9.0647, 45.8174 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(81, 66, 183)` looks like.

```
.text, #text, p{  
    color:rgb(81, 66, 183)  
}
```

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(81, 66, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 66, 183) }
```

Border

The CSS property to change the border of an element to XYZ 13.8888, 9.0647, 45.8174 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(81, 66, 183) }
```


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

```
.border{ border-color:rgb(81, 66, 183) }
```

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

Here you see how a box with a 4 pixel rgb(81, 66, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 66, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 66, 183);  
box-shadow:4px 4px 4px 4px rgb(81, 66,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8888, 9.0647, 45.8174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 66, 183) }
```

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

```
.background{ background-color: rgb(81, 66,  
183) }
```

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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