

Converting Colors

XYZ(14.9113, 10.5729, 45.7453)

Have a look what the booklet for
XYZ(14.9113, 10.5729, 45.7453)
contains.

XYZ(14.8657, 10.5247, 45.5039)	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(14.8657, 10.5247,
45.5039)**

Conversions

Conversions Part 1

Format	Color
Hex	564CB6
RGB	86, 76, 182
RGB Percent	34%, 30%, 71%
CMY	0.6627, 0.7020, 0.2863
CMYK	0.53, 0.58, 0.00, 0.29
HSL	246°, 42%, 51%
HSV	246°, 58%, 71%
XYZ	14.8657, 10.5247, 45.5039
YIQ	91.0740, -28.0660, 35.0860

Conversions

Conversions Part 2

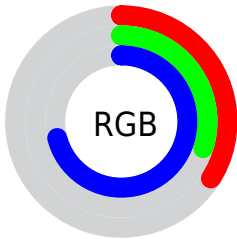
Format	Color
R_{YB}	86, 76, 182
Decimal	5655734
CIE _{Lab}	38.77, 33.32, -55.10
CIE _{LCh}	39, 64.394, 301.164
Yxy	10.5247, 0.2097, 0.1485
Android (android.graphics.Color)	4283845814 (0xFF564CB6)
YUV	91.0740, 44.8265, -4.4499
Hunter-Lab	32.4418, 25.0203, -60.4528

Details

The XYZ color **14.8657, 10.5247, 45.5039** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **35.0449, 42.7481, 13.2417**, and the grayscale version is **9.8671, 10.3810, 11.3049**.

A 20% lighter version of the original color is **34.2413, 26.7389, 85.0178**, and **4.6548, 2.6769, 20.6934** is the 20% darker color. If you saturate the color by 10%, you get **12.4380, 7.6678, 45.0807**, and if you desaturate by 10%, it is **17.9990, 14.2719, 46.0623**.

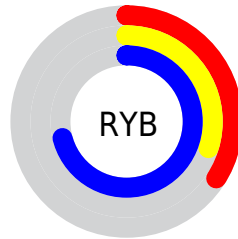
Distribution



Red (34%)

Green (30%)

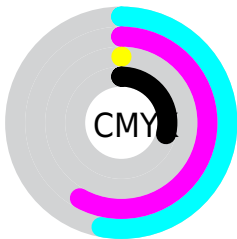
Blue (71%)



Red (34%)

Yellow (30%)

Blue (71%)

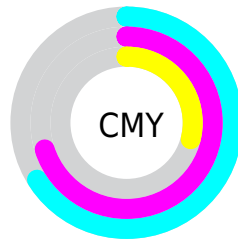


Cyan (53%)

Magenta (58%)

Yellow (0%)

Black (29%)



Cyan (66%)

Magenta (70%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.8657, 10.5247, 45.5039 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 14.8657, 10.5247, 45.5039 by changing the saturation by 10% instead.

■ 14.8657, 10.5247,
45.5039

■ 14.8657, 10.5247,
45.5039

215.9564,
194.3770, 385.0300

■ 8.8109, 5.7482,
31.5087

■ 34.1910, 26.7778,
84.8025

■ 4.6742, 2.6926,
20.7248

■ 48.1922, 39.0233,
110.9430

■ 2.0902, 0.9734,
12.7337

■ 65.5729, 54.5272,
141.9689

■ 0.6839, 0.0000,
7.1169

■ 86.6985, 73.6739,
178.2989

■ 0.0000, 0.0000,
3.4557

■ 111.9342, 96.8478,
220.3515

■ 0.0000, 0.0000,
1.3318

141.6456,

■ 0.0000, 0.0000,

124.4334, 268.5452

0.0876

176.1979,
156.8150, 323.2985

■ 0.0000, 0.0000,
0.0000

■ 14.8657, 10.5247,
45.5039

■ 14.8657, 10.5247,
45.5039

■ 12.4380, 7.6678,
45.0807

■ 17.9990, 14.2719,
46.0623

■ 10.6592, 5.6262,
44.7803

■ 21.8856, 18.9741,
46.7651

■ 9.4663, 4.3138,
44.5899

■ 26.5708, 24.6914,
47.6217

■ 8.7683, 3.5964,
44.4882

■ 32.0960, 31.4783,
48.6405

■ 8.6779, 3.4982,
44.4740

■ 38.4996, 39.3857,
49.8292

■ 45.8176, 48.4610,
51.1952

■ 54.0842, 58.7492,
52.7454

■ 63.3314, 70.2925,
54.4861

■ 73.5902, 83.1313,
56.4235

Harmonies

Analogous

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



10.1706, 10.5247, 54.5120



14.8657, 10.5247, 45.5039



19.0244, 10.5247, 26.8937

Triad

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



14.8657, 10.5247, 45.5039



14.4938, 10.5247, 0.7294



3.8482, 10.5247, 11.9424

Complementary

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



14.8657, 10.5247, 45.5039



35.0449, 42.7481, 13.2417

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.



4.4094, 10.5247, 3.4636



14.8657, 10.5247, 45.5039



9.8381, 10.5247, 0.1720

Square

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



14.8657, 10.5247, 45.5039



18.7704, 10.5247, 3.1052



6.3371, 10.5247, 0.8208



4.5064, 10.5247, 28.3767

Rectangle

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



14.8657, 10.5247, 45.5039



20.4685, 10.5247, 15.4513



6.3371, 10.5247, 0.8208



3.8989, 10.5247, 8.2224

Sweetspot

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



14.8662, 10.5250, 45.5042



59.2273, 58.3482, 88.3764



26.3997, 34.8652, 49.5944



12.6054, 12.3009, 19.4315



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.



14.8662, 10.5250, 45.5042



21.4835, 12.6654, 81.5481



21.4818, 13.9355, 45.8138



8.5976, 8.7589, 11.3169



6.1545, 2.4840, 31.4081



0.2433, 0.1012, 1.1084

Inverse Universe

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



29.3220, 18.0925, 40.9745



50.3531, 27.8015, 71.4563



25.8015, 37.9829, 12.8091



9.3434, 9.1477, 11.1558



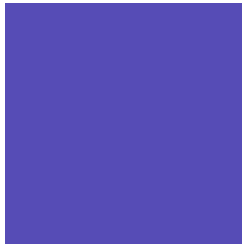
18.4213, 8.9423, 25.9034



0.6601, 0.3195, 0.9695

Previews

White Background



This preview shows how the XYZ color 14.8657, 10.5247, 45.5039 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 14.8657, 10.5247, 45.5039 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 14.8657, 10.5247, 45.5039

Background



This preview shows how black text looks on a background with the XYZ color 14.8657, 10.5247, 45.5039.



This preview shows how white text looks on a background with the XYZ color 14.8657, 10.5247,

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

14.8657, 10.5247, 45.5039

Protanopia

12.4594, 10.5673, 48.3967

Deuteranopia

10.4359, 10.4373, 35.6470



Tritanopia

8.7490, 10.5614, 14.9420

Trichromacy



Original Color

14.8657, 10.5247, 45.5039

Protanomaly

12.4924, 10.1347, 47.1967

Deuteranomaly

11.1347, 9.9723, 38.8741

Tritanomaly

10.3318, 10.1403, 23.6030

Monochromacy



Original Color

14.8657, 10.5247, 45.5039

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

11.0857, 10.2347, 20.4600

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.8657, 10.5247, 45.5039 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(86, 76, 182)` looks like.

```
.text, #text, p{  
    color:rgb(86, 76, 182)  
}
```

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(86, 76, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 76, 182) }
```

Border

The CSS property to change the border of an element to XYZ 14.8657, 10.5247, 45.5039 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(86, 76, 182) }
```


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

```
.border{ border-color:rgb(86, 76, 182) }
```

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

Here you see how a box with a 4 pixel rgb(86, 76, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 76, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 76, 182);  
box-shadow:4px 4px 4px 4px rgb(86, 76,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 14.8657, 10.5247, 45.5039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 76, 182) }
```

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

```
.background{ background-color: rgb(86, 76,  
182) }
```

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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