

Converting Colors

XYZ(13.2917, 8.9638, 49.0039)

Have a look what the booklet for
XYZ(13.2917, 8.9638, 49.0039)
contains.

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Color

**XYZ(13.3000, 8.9545,
49.1715)**

Conversions

Conversions Part 1

Format	Color
Hex	3E45BD
RGB	62, 69, 189
RGB Percent	24%, 27%, 74%
CMY	0.7568, 0.7294, 0.2588
CMYK	0.67, 0.63, 0.00, 0.26
HSL	237°, 51%, 49%
HSV	237°, 67%, 74%
XYZ	13.3000, 8.9545, 49.1715
YIQ	80.5870, -42.6920, 35.8360

Conversions

Conversions Part 2

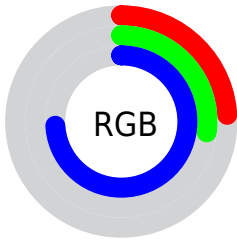
Format	Color
R_{YB}	62, 69, 189
Decimal	4081085
CIE _{Lab}	35.90, 35.89, -63.97
CIE _{LCh}	36, 73.347, 299.296
Yxy	8.9545, 0.1862, 0.1254
Android (android.graphics.Color)	4282271165 (0xFF3E45BD)
YUV	80.5870, 53.4476, -16.3008
Hunter-Lab	29.9241, 26.9687, -76.4790

Details

The XYZ color **13.3000, 8.9545, 49.1715** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **38.5855, 44.6256, 11.1383**, and the grayscale version is **7.6448, 8.0429, 8.7587**.

A 20% lighter version of the original color is **31.3080, 23.6615, 90.1058**, and **4.6725, 2.4600, 22.7828** is the 20% darker color. If you saturate the color by 10%, you get **11.3761, 6.5700, 48.8129**, and if you desaturate by 10%, it is **15.9675, 12.2130, 49.6601**.

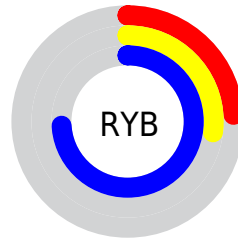
Distribution



Red (24%)

Green (27%)

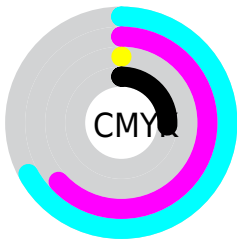
Blue (74%)



Red (24%)

Yellow (27%)

Blue (74%)

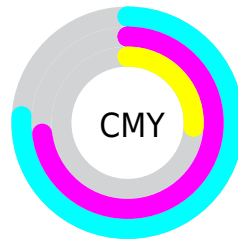


Cyan (67%)

Magenta (63%)

Yellow (0%)

Black (26%)



Cyan (76%)

Magenta (73%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3000, 8.9545, 49.1715 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 13.3000, 8.9545, 49.1715 by changing the saturation by 10% instead.

■ 13.3000, 8.9545,
49.1715

■ 13.3000, 8.9545,
49.1715

206.4304,
183.0381, 400.0589

■ 7.7139, 4.7115,
34.3890

■ 31.4385, 23.8095,
90.3297

■ 3.9627, 2.0790,
22.9128

■ 44.7215, 35.1903,
117.5425

■ 1.6810, 0.6528,
14.3244

■ 61.3009, 49.7191,
149.7359

■ 0.4444, 0.0000,
8.2053

■ 81.5420, 67.7804,
187.3282

■ 0.0000, 0.0000,
4.1370

■ 105.8101, 89.7586,
230.7382

■ 0.0000, 0.0000,
1.7008

134.4707,

■ 0.0000, 0.0000,

116.0380, 280.3842

0.3613

167.8890,
147.0030, 336.6850

■ 0.0000, 0.0000,
0.0000

■ 13.3000, 8.9545,
49.1715

■ 13.3000, 8.9545,
49.1715

■ 11.3761, 6.5700,
48.8129

■ 15.9675, 12.2130,
49.6601

■ 10.1187, 4.9743,
48.5712

■ 19.4425, 16.4183,
50.2887

■ 9.4286, 4.0621,
48.4315

■ 23.7836, 21.6367,
51.0671

■ 9.2983, 3.9001,
48.4071

■ 29.0437, 27.9281,
52.0042

■ 35.2714, 35.3477,
53.1081

■ 42.5119, 43.9470,
54.3863

■ 50.8075, 53.7743,
55.8460

■ 60.1981, 64.8753,
57.4937

■ 70.7215, 77.2932,
59.3360

Harmonies

Analogous

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



8.4085, 8.9545, 58.7462



13.3000, 8.9545, 49.1715



17.9296, 8.9545, 27.8321

Triad

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



13.3000, 8.9545, 49.1715



13.5415, 8.9545, 0.0000



2.5843, 8.9545, 9.4581

Complementary

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



13.3000, 8.9545, 49.1715



38.5855, 44.6256, 11.1383

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.



3.1513, 8.9545, 1.9165



13.3000, 8.9545, 49.1715



8.6143, 8.9545, 0.0000

Square

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



13.3000, 8.9545, 49.1715



18.0992, 8.9545, 2.0943



5.0365, 8.9545, 0.0000



3.0985, 8.9545, 26.8174

Rectangle

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



13.3000, 8.9545, 49.1715



19.6725, 8.9545, 14.9159



5.0365, 8.9545, 0.0000



2.6504, 8.9545, 5.9401

Sweetspot

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



13.3005, 8.9547, 49.1718



59.4911, 58.9283, 94.4650



28.4775, 40.7368, 49.8279



12.1143, 11.8635, 20.1940



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.



13.3005, 8.9547, 49.1718



19.0853, 10.1422, 87.1779



18.2495, 10.9046, 49.2873



9.0575, 9.3074, 11.9913



6.2747, 2.6611, 32.5758



0.2604, 0.1334, 1.2809

Inverse Universe

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



23.7835, 14.6945, 7.2130



39.3329, 21.6705, 6.0373



28.8941, 41.8091, 11.1055



9.5509, 9.5447, 10.0240



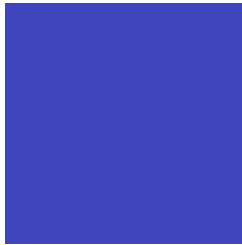
14.1679, 7.2983, 0.9120



0.5623, 0.2888, 0.0745

Previews

White Background



This preview shows how the XYZ color 13.3000, 8.9545, 49.1715 looks on a white background.

Color Contrast Check

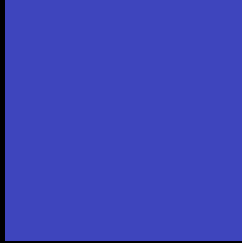
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.3000, 8.9545, 49.1715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

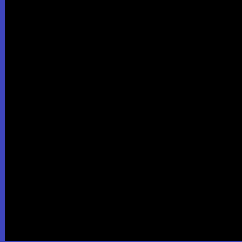
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.3000, 8.9545, 49.1715

Background



This preview shows how black text looks on a background with the XYZ color 13.3000, 8.9545, 49.1715.



This preview shows how white text looks on a background with the XYZ color 13.3000, 8.9545,

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

13.3000, 8.9545, 49.1715

Protanopia

10.3888, 8.8634, 40.1930

Deuteranopia

8.5942, 8.7622, 28.8421



Tritanopia

6.2146, 8.7488, 13.4177

Trichromacy



Original Color

13.3000, 8.9545, 49.1715

Protanomaly

11.0431, 8.7043, 43.2175

Deuteranomaly

9.7436, 8.5281, 35.3150

Tritanomaly

7.6885, 8.1887, 23.0052

Monochromacy



Original Color

13.3000, 8.9545, 49.1715

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

8.8681, 8.1197, 18.8692

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3000, 8.9545, 49.1715 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(62, 69, 189)` looks like.

```
.text, #text, p{  
    color:rgb(62, 69, 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(62, 69, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 69, 189) }
```

Border

The CSS property to change the border of an element to XYZ 13.3000, 8.9545, 49.1715 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(62, 69, 189) }
```


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

```
.border{ border-color:rgb(62, 69, 189) }
```

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

Here you see how a box with a 4 pixel rgb(62, 69, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 69, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 69, 189);  
box-shadow:4px 4px 4px 4px rgb(62, 69,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3000, 8.9545, 49.1715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 69, 189) }
```

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

```
.background{ background-color: rgb(62, 69,  
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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