

Converting Colors

XYZ(13.1654, 8.0946, 29.8025)

Have a look what the booklet for
XYZ(13.1654, 8.0946, 29.8025)
contains.

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Color

**XYZ(13.1309, 8.0916,
29.7239)**

Conversions

Conversions Part 1

Format	Color
Hex	6D3696
RGB	109, 54, 150
RGB Percent	43%, 21%, 59%
CMY	0.5725, 0.7882, 0.4118
CMYK	0.27, 0.64, 0.00, 0.41
HSL	274°, 47%, 40%
HSV	274°, 64%, 59%
XYZ	13.1309, 8.0916, 29.7239
YIQ	81.3890, 1.9640, 41.5160

Conversions

Conversions Part 2

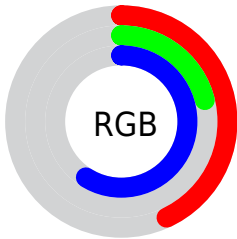
Format	Color
R_{YB}	109, 54, 150
Decimal	7157398
CIE _{Lab}	34.17, 42.21, -43.24
CIE _{LCh}	34, 60.427, 314.315
Yxy	8.0916, 0.2577, 0.1588
Android (android.graphics.Color)	4285347478 (0xFF6D3696)
YUV	81.3890, 33.8252, 24.2148
Hunter-Lab	28.4457, 32.6177, -42.0421

Details

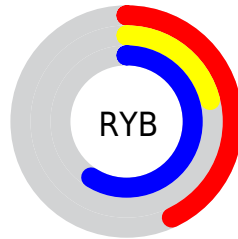
The XYZ color **13.1309, 8.0916, 29.7239** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **16.2917, 24.5121, 7.3629**, and the grayscale version is **7.8332, 8.2412, 8.9746**.

A 20% lighter version of the original color is **31.0740, 22.0949, 60.3846**, and **3.9028, 1.7734, 11.6919** is the 20% darker color. If you saturate the color by 10%, you get **11.7779, 6.5129, 29.4906**, and if you desaturate by 10%, it is **14.7573, 10.1311, 30.0320**.

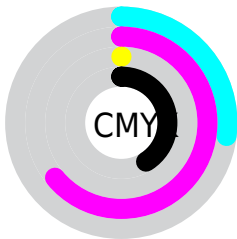
Distribution



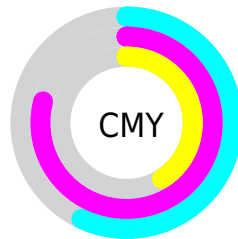
- Red (43%)
- Green (21%)
- Blue (59%)



- Red (43%)
- Yellow (21%)
- Blue (59%)



- Cyan (27%)
- Magenta (64%)
- Yellow (0%)
- Black (41%)



- Cyan (57%)
- Magenta (79%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1309, 8.0916, 29.7239 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 13.1309, 8.0916, 29.7239 by changing the saturation by 10% instead.

13.1309, 8.0916,
29.7239

13.1309, 8.0916,
29.7239

205.3756,
176.4487, 314.7825

7.5964, 4.1536,
19.3788

31.1381, 22.1378,
60.2811

3.8874, 1.7599,
11.7648

44.3414, 33.0148,
81.3303

1.6386, 0.4620,
6.4631

60.8317, 46.9737,
106.7847

0.4174, 0.0000,
3.0554

80.9744, 64.3987,
137.0627

0.0000, 0.0000,
1.1230

105.1348, 85.6743,
172.5830

0.0000, 0.0000,
0.0000

133.6782,

111.1849, 213.7640

166.9700,
141.3149, 261.0243

■ 13.1309, 8.0916,
29.7239

■ 13.1309, 8.0916,
29.7239

■ 11.7779, 6.5129,
29.4906

■ 14.7573, 10.1311,
30.0320

■ 10.6756, 5.3525,
29.3248

■ 16.6753, 12.6671,
30.4204

■ 9.7982, 4.5603,
29.2181

■ 18.9024, 15.7324,
30.8947

■ 9.3372, 4.1776,
29.1685

■ 21.4543, 19.3572,
31.4598

■ 24.3457, 23.5687,
32.1204

■ 27.5901, 28.3930,
32.8805

■ 31.2005, 33.8539,
33.7443

■ 35.1890, 39.9746,
34.7155

■ 39.5672, 46.7765,
35.7976

Harmonies

Analogous

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



9.3975, 8.0916, 41.5411



13.1309, 8.0916, 29.7239



15.7170, 8.0916, 14.8039

Triad

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



13.1309, 8.0916, 29.7239



9.5687, 8.0916, 0.0519



2.9828, 8.0916, 14.2092

Complementary

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



13.1309, 8.0916, 29.7239



16.2917, 24.5121, 7.3629

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.



3.0040, 8.0916, 4.7022



13.1309, 8.0916, 29.7239



6.2044, 8.0916, 0.0257

Square

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



13.1309, 8.0916, 29.7239



13.2873, 8.0916, 1.1825



4.0090, 8.0916, 1.1025



3.9388, 8.0916, 29.0271

Rectangle

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



13.1309, 8.0916, 29.7239



16.0769, 8.0916, 7.4930



4.0090, 8.0916, 1.1025



2.8871, 8.0916, 10.2738

Sweetspot

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



13.1313, 8.0919, 29.7241



40.1456, 37.4663, 56.0371



11.1731, 11.2795, 30.4426



8.6091, 7.8857, 12.3532



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



13.1313, 8.0919, 29.7241



19.8540, 10.4818, 51.8980



18.9006, 11.1240, 27.3767



5.7984, 5.7871, 7.2811



7.7812, 3.4839, 24.1934



0.1290, 0.0601, 0.2977

Inverse Universe

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



15.9626, 9.9488, 11.9056



25.8421, 14.3765, 15.6854



13.2541, 22.9276, 8.0578



5.8974, 5.8540, 6.5661



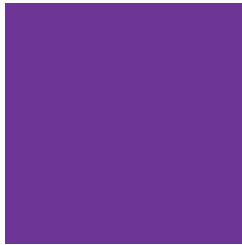
11.2161, 5.6915, 4.6190



0.1515, 0.0754, 0.1317

Previews

White Background



This preview shows how the XYZ color 13.1309, 8.0916, 29.7239 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 13.1309, 8.0916, 29.7239 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 13.1309, 8.0916, 29.7239

Background



This preview shows how black text looks on a background with the XYZ color 13.1309, 8.0916, 29.7239.



This preview shows how white text looks on a background with the XYZ color 13.1309, 8.0916,

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

13.1309, 8.0916, 29.7239

Protanopia

9.6073, 8.2020, 37.1532

Deuteranopia

8.3199, 8.1867, 27.5272



Tritanopia

8.9310, 8.1676, 8.8904

Trichromacy



Original Color

13.1309, 8.0916, 29.7239

Protanomaly

9.3484, 7.2454, 34.1635

Deuteranomaly

8.9218, 7.4401, 28.1600

Tritanomaly

9.9755, 7.8216, 14.6196

Monochromacy



Original Color

13.1309, 8.0916, 29.7239

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

9.1691, 7.7712, 14.6524

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1309, 8.0916, 29.7239 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(109, 54, 150)` looks like.

```
.text, #text, p{  
    color:rgb(109, 54, 150)  
}
```

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(109, 54, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 54, 150) }
```

Border

The CSS property to change the border of an element to XYZ 13.1309, 8.0916, 29.7239 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(109, 54, 150) }
```


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

```
.border{ border-color:rgb(109, 54, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 54, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 54, 150); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 54, 150); box-shadow:4px 4px 4px 4px rgb(109, 54, 150) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1309, 8.0916, 29.7239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 54, 150) }
```

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

```
.background{ background-color: rgb(109, 54,  
150) }
```

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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