

Converting Colors

XYZ(13.2996, 9.1607, 58.1940)

Have a look what the booklet for
XYZ(13.2996, 9.1607, 58.1940)
contains.

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Color

**XYZ(13.2816, 9.1247,
58.1880)**

Conversions

Conversions Part 1

Format	Color
Hex	0049CC
RGB	0, 73, 204
RGB Percent	0%, 29%, 80%
CMY	0.9998, 0.7137, 0.2000
CMYK	1.00, 0.64, 0.00, 0.20
HSL	219°, 100%, 40%
HSV	219°, 100%, 80%
XYZ	13.2816, 9.1247, 58.1880
YIQ	66.1070, -85.5590, 25.2650

Conversions

Conversions Part 2

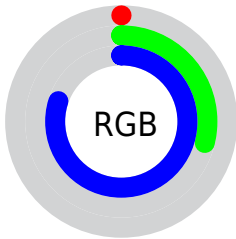
Format	Color
R _Y B	0, 54, 204
Decimal	18892
CIE Lab	36.22, 34.36, -72.26
CIE LCh	36, 80.015, 295.432
Yxy	9.1247, 0.1648, 0.1132
Android (android.graphics.Color)	4278208972 (0xFF0049CC)
YUV	66.1070, 67.9812, -57.9758
Hunter-Lab	30.2071, 25.6212, -93.0654

Details

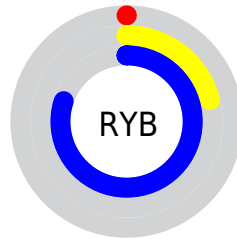
The XYZ color **13.2816, 9.1247, 58.1880** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed blue. A complement of this color would be **33.0246, 29.0823, 3.8741**, and the grayscale version is **5.1045, 5.3703, 5.8483**.

A 20% lighter version of the original color is **30.2542, 23.6614, 97.5803**, and **5.8353, 3.1181, 28.3113** is the 20% darker color. If you saturate the color by 10%, you get **13.2798, 9.1209, 58.1876**, and if you desaturate by 10%, it is **14.5327, 11.1849, 58.5200**.

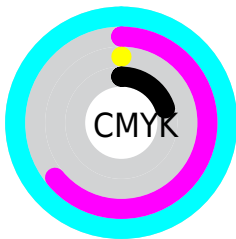
Distribution



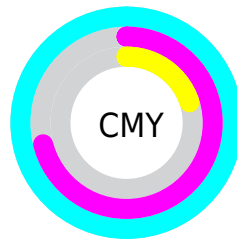
- Red (0%)
- Green (29%)
- Blue (80%)



- Red (0%)
- Yellow (21%)
- Blue (80%)



- Cyan (100%)
- Magenta (64%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (71%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2816, 9.1247, 58.1880 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 13.2816, 9.1247, 58.1880 by changing the saturation by 10% instead.

■ 13.2816, 9.1247,
58.1880

■ 13.2816, 9.1247,
58.1880

206.3159,
184.3054, 435.5039

■ 7.7011, 4.8226,
41.5441

■ 31.4058, 24.1356,
103.7141

■ 3.9545, 2.1436,
28.4216

■ 44.6802, 35.6132,
133.4333

■ 1.6764, 0.6890,
18.4019

■ 61.2499, 50.2514,
168.3481

■ 0.4414, 0.0000,
11.0665

■ 81.4803, 68.4346,
208.8769

■ 0.0000, 0.0000,
5.9968

■ 105.7368, 90.5472,
255.4384

■ 0.0000, 0.0000,
2.7744

134.3846,

■ 0.0000, 0.0000,

116.9736, 308.4510

0.9806

167.7892,
148.0982, 368.3334

■ 0.0000, 0.0000,
0.0000

■ 13.2816, 9.1247,
58.1880

■ 13.2816, 9.1247,
58.1880

■ 13.2798, 9.1209,
58.1876

■ 14.5327, 11.1849,
58.5200

■ 16.2886, 13.7904,
58.9304

■ 18.6668, 17.0159,
59.4276

■ 21.7336, 20.9090,
60.0174

■ 25.5460, 25.5117,
60.7049

■ 30.1543, 30.8620,
61.4947

■ 35.6045, 36.9946,
62.3912

■ 41.9386, 43.9422,
63.3984

■ 49.1957, 51.7353,
64.5201

Harmonies

Analogous

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



7.9569, 9.1247, 66.6329



13.2816, 9.1247, 58.1880



18.7352, 9.1247, 33.8143

Triad

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



13.2816, 9.1247, 58.1880



15.0496, 9.1247, 0.0000



2.3344, 9.1247, 7.9716

Complementary

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



13.2816, 9.1247, 58.1880



33.0246, 29.0823, 3.8741

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.



3.0687, 9.1247, 1.2108



13.2816, 9.1247, 58.1880



9.4303, 9.1247, 0.0000

Square

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



13.2816, 9.1247, 58.1880



19.9932, 9.1247, 2.3493



5.2765, 9.1247, 0.0000



2.7148, 9.1247, 26.2030

Rectangle

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



13.2816, 9.1247, 58.1880



21.0566, 9.1247, 18.1975



5.2765, 9.1247, 0.0000



2.4479, 9.1247, 4.6513

Sweetspot

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



13.2822, 9.1249, 58.1883



58.5636, 60.8214, 103.2608



25.5704, 44.7770, 28.1395



11.6778, 12.0601, 21.9623



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



13.2822, 9.1249, 58.1883



21.8093, 14.7387, 96.3031



11.3579, 4.5969, 57.4157



10.9247, 11.4898, 14.2123



8.4389, 5.9017, 36.6506



0.5067, 0.4471, 1.9145

Inverse Universe

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



26.1050, 13.3194, 7.4981



43.1375, 22.0190, 11.9223



39.6806, 52.5104, 8.0454



11.3753, 11.2789, 12.5112



16.4704, 8.3988, 4.9301



0.8857, 0.4477, 0.4440

Previews

White Background



This preview shows how the XYZ color 13.2816, 9.1247, 58.1880 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 13.2816, 9.1247, 58.1880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

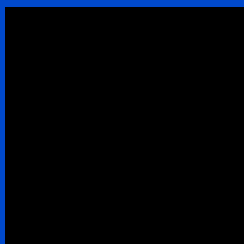
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.2816, 9.1247, 58.1880

Background



This preview shows how black text looks on a background with the XYZ color 13.2816, 9.1247, 58.1880.



This preview shows how white text looks on a background with the XYZ color 13.2816, 9.1247,

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

13.2816, 9.1247, 58.1880

Protanopia

10.5601, 9.0517, 40.7257

Deuteranopia

8.7535, 8.9545, 29.2840



Tritanopia

6.3925, 9.1045, 13.4770

Trichromacy



Original Color

13.2816, 9.1247, 58.1880

Protanomaly

11.4477, 9.0527, 46.4914

Deuteranomaly

10.0852, 8.8617, 38.2247

Tritanomaly

7.9956, 8.6514, 25.2932

Monochromacy



Original Color

13.2816, 9.1247, 58.1880

Achromatopsia

5.1784, 5.4480, 5.9329

Achromatomaly

6.2354, 6.0094, 17.3543

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2816, 9.1247, 58.1880 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, 73, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 73, 204)  
}
```

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, 73, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 73, 204) }
```

Border

The CSS property to change the border of an element to XYZ 13.2816, 9.1247, 58.1880 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, 73, 204) }
```


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

```
.border{ border-color:rgb(0, 73, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 73, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 73, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 73, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 73, 204)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.2816, 9.1247, 58.1880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 73, 204) }
```

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

```
.background{ background-color: rgb(0, 73,  
204) }
```

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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