

Converting Colors

XYZ(13.1710, 8.2105, 59.9221)

Have a look what the booklet for
XYZ(13.1710, 8.2105, 59.9221)
contains.

XYZ(13.1710, 8.2105, 59.9221)	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(13.1710, 8.2105,
59.9221)**

Conversions

Conversions Part 1

Format	Color
Hex	0640CF
RGB	6, 64, 207
RGB Percent	2%, 25%, 81%
CMY	0.9763, 0.7490, 0.1882
CMYK	0.97, 0.69, 0.00, 0.19
HSL	223°, 94%, 42%
HSV	223°, 97%, 81%
XYZ	13.1710, 8.2105, 59.9221
YIQ	62.9600, -80.4710, 32.1770

Conversions

Conversions Part 2

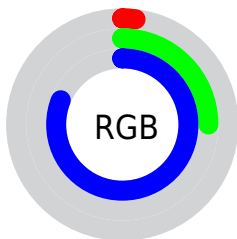
Format	Color
R _Y B	6, 51, 207
Decimal	409807
CIE Lab	34.42, 41.42, -76.97
CIE LCh	34, 87.409, 298.288
Yxy	8.2105, 0.1620, 0.1010
Android (android.graphics.Color)	4278599887 (0xFF0640CF)
YUV	62.9600, 71.0117, -49.9539
Hunter-Lab	28.6540, 31.9043, -103.9314

Details

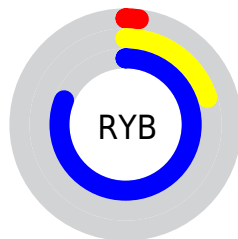
The XYZ color **13.1710, 8.2105, 59.9221** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **36.5210, 34.7899, 4.9640**, and the grayscale version is **4.6286, 4.8696, 5.3030**.

A 20% lighter version of the original color is **29.5531, 21.7514, 97.2486**, and **5.8728, 2.8082, 29.5107** is the 20% darker color. If you saturate the color by 10%, you get **12.8624, 7.7047, 59.8410**, and if you desaturate by 10%, it is **14.4844, 10.2875, 60.2541**.

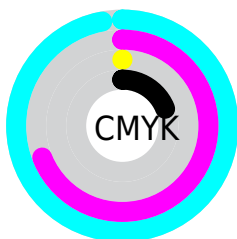
Distribution



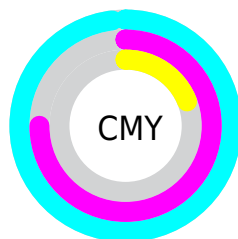
- Red (2%)
- Green (25%)
- Blue (81%)



- Red (2%)
- Yellow (20%)
- Blue (81%)



- Cyan (97%)
- Magenta (69%)
- Yellow (0%)
- Black (19%)





- Cyan (98%)
- Magenta (75%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1710, 8.2105, 59.9221 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 13.1710, 8.2105, 59.9221 by changing the saturation by 10% instead.


 13.1710, 8.2105,
59.9221


 13.1710, 8.2105,
59.9221

205.6262,
177.3739, 442.1072


 7.6242, 4.2299,
42.9310


 31.2094, 22.3701,
106.2589


 3.9052, 1.8030,
29.4999


 44.4316, 33.3179,
136.4417


 1.6487, 0.4890,
19.2105


 60.9431, 47.3569,
171.8587

 0.4238, 0.0000,
11.6441

 81.1092, 64.8715,
212.9286

 0.0000, 0.0000,
6.3823

 105.2952, 86.2461,
260.0699

 0.0000, 0.0000,
3.0064

 133.8664,

 0.0000, 0.0000,

111.8651, 313.7010

1.0979

167.1883,
142.1129, 374.2406

■ 0.0000, 0.0000,
0.0000

■ 13.1710, 8.2105,
59.9221

■ 13.1710, 8.2105,
59.9221

■ 12.8624, 7.7047,
59.8410

■ 14.4844, 10.2875,
60.2541

■ 16.4104, 13.0297,
60.6818

■ 19.0395, 16.5046,
61.2140

■ 22.4410, 20.7677,
61.8576

■ 26.6756, 25.8683,
62.6189

■ 31.7971, 31.8513,
63.5038

■ 37.8551, 38.7583,
64.5177

■ 44.8949, 46.6279,
65.6656

■ 52.9591, 55.4966,
66.9524

Harmonies

Analogous

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



7.5258, 8.2105, 72.0675



13.1710, 8.2105, 59.9221



18.8681, 8.2105, 31.9292

Triad

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



13.1710, 8.2105, 59.9221



13.8740, 8.2105, 0.0000



1.6685, 8.2105, 8.1580

Complementary

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



13.1710, 8.2105, 59.9221



36.5210, 34.7899, 4.9640

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.



2.2215, 8.2105, 0.9364



13.1710, 8.2105, 59.9221



8.0886, 8.2105, 0.0000

Square

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



13.1710, 8.2105, 59.9221



19.3796, 8.2105, 1.2823



4.1379, 8.2105, 0.0000



2.1020, 8.2105, 28.7777

Rectangle

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



13.1710, 8.2105, 59.9221



21.1326, 8.2105, 15.6079



4.1379, 8.2105, 0.0000



1.7380, 8.2105, 4.5068

Sweetspot

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



13.1715, 8.2106, 59.9224



58.3265, 59.4672, 103.0119



27.6328, 46.7625, 35.0563



11.5792, 11.6977, 21.8975



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.



13.1715, 8.2106, 59.9224



20.4679, 12.0557, 95.8560



12.4657, 5.2227, 59.3828



11.4374, 11.9651, 14.9503



8.1748, 4.9961, 37.7260



0.5254, 0.4160, 2.1322

Inverse Universe

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



26.7233, 13.7669, 6.0990



42.4604, 21.7482, 8.3567



38.2423, 52.8339, 8.3561



11.9469, 11.8635, 12.9964



16.7570, 8.5756, 3.6264



0.9714, 0.4933, 0.3844

Previews

White Background



This preview shows how the XYZ color 13.1710, 8.2105, 59.9221 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 13.1710, 8.2105, 59.9221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

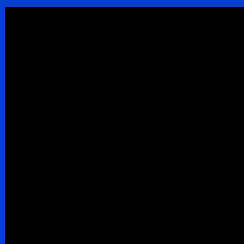
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.1710, 8.2105, 59.9221

Background



This preview shows how black text looks on a background with the XYZ color 13.1710, 8.2105, 59.9221.



This preview shows how white text looks on a background with the XYZ color 13.1710, 8.2105,

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

13.1710, 8.2105, 59.9221

Protanopia

9.4252, 8.1291, 36.1943

Deuteranopia

7.8269, 8.0800, 25.9580



Tritanopia

5.6765, 8.1205, 11.8579

Trichromacy



Original Color

13.1710, 8.2105, 59.9221

Protanomaly

10.6458, 8.0733, 44.1772

Deuteranomaly

9.3103, 7.8621, 36.1488

Tritanomaly

7.3406, 7.6470, 24.0108

Monochromacy



Original Color

13.1710, 8.2105, 59.9221

Achromatopsia

4.7246, 4.9707, 5.4130

Achromatomaly

5.8269, 5.2851, 16.9327

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1710, 8.2105, 59.9221 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(6, 64, 207)` looks like.

```
.text, #text, p{  
    color:rgb(6, 64, 207)  
}
```

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(6, 64, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 64, 207) }
```

Border

The CSS property to change the border of an element to XYZ 13.1710, 8.2105, 59.9221 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(6, 64, 207) }
```


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

```
.border{ border-color:rgb(6, 64, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 64, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 64, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 64, 207);  
box-shadow:4px 4px 4px 4px rgb(6, 64, 207)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.1710, 8.2105, 59.9221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 64, 207) }
```

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

```
.background{ background-color: rgb(6, 64,  
207) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor