

Converting Colors

XYZ(13.6210, 5.9493, 68.8381)

Have a look what the booklet for
XYZ(13.6210, 5.9493, 68.8381)
contains.

XYZ(13.6066, 5.9327, 68.8346)	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(13.6066, 5.9327,
68.8346)**

Conversions

Conversions Part 1

Format	Color
Hex	1316DD
RGB	19, 22, 221
RGB Percent	7%, 9%, 87%
CMY	0.9254, 0.9138, 0.1333
CMYK	0.91, 0.90, 0.00, 0.13
HSL	239°, 84%, 47%
HSV	239°, 91%, 87%
XYZ	13.6066, 5.9327, 68.8346
YIQ	43.7890, -65.6670, 61.2530

Conversions

Conversions Part 2

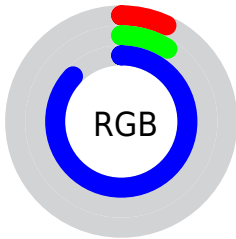
Format	Color
R _{YB}	19, 22, 221
Decimal	1251037
CIE Lab	29.24, 66.55, -93.65
CIE LCh	29, 114.887, 305.400
Yxy	5.9327, 0.1540, 0.0671
Android (android.graphics.Color)	4279441117 (0xFF1316DD)
YUV	43.7890, 87.3650, -21.7400
Hunter-Lab	24.3571, 57.0903, -150.5068




Details

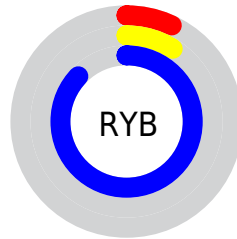
The XYZ color **13.6066, 5.9327, 68.8346** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **55.0201, 65.5860, 10.3772**, and the grayscale version is **2.2956, 2.4152, 2.6301**.




A 20% lighter version of the original color is **27.6433, 16.1052, 96.2594**, and **6.7008, 2.6803, 35.2861** is the 20% darker color. If you saturate the color by 10%, you get **13.0863, 5.2907, 68.7383**, and if you desaturate by 10%, it is **14.8630, 7.4787, 69.0670**.

Distribution







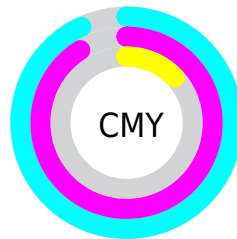
-  Red (7%)
-  Green (9%)
-  Blue (87%)






-  Red (7%)
-  Yellow (9%)
-  Blue (87%)



-  Cyan (91%)
-  Magenta (90%)
-  Yellow (0%)
-  Black (13%)



-  Cyan (93%)
-  Magenta (91%)
-  Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6066, 5.9327, 68.8346 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 13.6066, 5.9327, 68.8346 by changing the saturation by 10% instead.

■ 13.6066, 5.9327,
68.8346

■ 13.6066, 5.9327,
68.8346

208.3295,
158.4751, 475.1255

■ 7.9274, 2.8042,
50.1061

■ 31.9815, 17.7913,
119.2108

■ 4.1000, 1.0304,
35.1259

■ 45.4079, 27.2903,
151.6955

■ 1.7588, 0.0000,
23.4756

■ 62.1474, 39.6814,
189.6028

■ 0.4927, 0.0000,
14.7365

■ 82.5655, 55.3493,
233.3511

■ 0.0000, 0.0000,
8.4901

■ 107.0273, 74.6782,
283.3590

■ 0.0000, 0.0000,
4.3179


■ 135.8984, 98.0525,

■ 0.0000, 0.0000,


340.0450


1.8013


 169.5440,
125.8567, 403.8277

 0.0000, 0.0000,
0.4288


 0.0000, 0.0000,
0.0000


 13.6066, 5.9327,
68.8346


 13.6066, 5.9327,
68.8346

 13.0863, 5.2907,
68.7383

 14.8630, 7.4787,
69.0670

 17.0378, 10.1282,
69.4638

 20.2622, 14.0358,
70.0481

 24.6460, 19.3312,
70.8392

■ 30.2853, 26.1282,
71.8539

■ 37.2660, 34.5288,
73.1075

■ 45.6665, 44.6260,
74.6137

■ 55.5592, 56.5059,
76.3853

■ 67.0116, 70.2485,
78.4343

Harmonies

Analogous

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



6.6298, 5.9327, 96.9069



13.6066, 5.9327, 68.8346



20.4213, 5.9327, 27.1145

Triad

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



13.6066, 5.9327, 68.8346



10.8881, 5.9327, 0.0000



0.2848, 5.9327, 9.5356

Complementary

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



13.6066, 5.9327, 68.8346



55.0201, 65.5860, 10.3772

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.



0.5269, 5.9327, 0.1813



13.6066, 5.9327, 68.8346



4.7519, 5.9327, 0.0000

Square

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



13.6066, 5.9327, 68.8346



18.2882, 5.9327, 0.0000



1.6117, 5.9327, 0.0000



0.7908, 5.9327, 41.1131

Rectangle

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



13.6066, 5.9327, 68.8346



22.5486, 5.9327, 9.0295



1.6117, 5.9327, 0.0000



0.2814, 5.9327, 4.4305

Sweetspot

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



13.6071, 5.9327, 68.8348



56.1399, 53.2853, 101.9339



38.7329, 56.8947, 75.0194



11.1982, 10.4218, 21.6713



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.



13.6071, 5.9327, 68.8348



18.0905, 7.3010, 95.0635



20.5741, 9.4452, 69.1456



12.3539, 12.6475, 16.4422



7.6091, 3.0877, 39.9333



0.4985, 0.2110, 2.5889

Inverse Universe

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



30.1971, 15.8970, 2.2354



41.2604, 21.2682, 2.0376



34.1978, 55.9996, 9.6243



13.0637, 13.0546, 13.5969



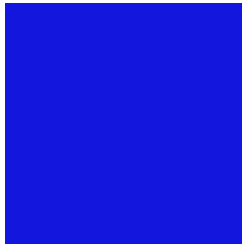
17.3361, 8.9355, 0.8838



1.1259, 0.5800, 0.0719

Previews

White Background



This preview shows how the XYZ color 13.6066, 5.9327, 68.8346 looks on a white background.

Color Contrast Check

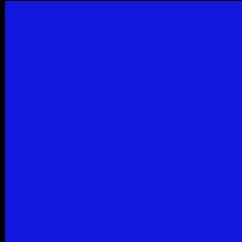
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.6066, 5.9327, 68.8346 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

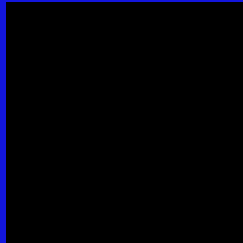
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.6066, 5.9327, 68.8346

Background



This preview shows how black text looks on a background with the XYZ color 13.6066, 5.9327, 68.8346.



This preview shows how white text looks on a background with the XYZ color 13.6066, 5.9327,

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

13.6066, 5.9327, 68.8346

Protanopia

6.7408, 5.9078, 25.5960

Deuteranopia

5.5830, 5.8384, 18.2854



Tritanopia

4.1018, 5.8869, 8.5095

Trichromacy



Original Color

13.6066, 5.9327, 68.8346

Protanomaly

8.4329, 5.2774, 38.1103

Deuteranomaly

7.3615, 4.9917, 32.0280

Tritanomaly

5.6475, 4.6101, 22.0649

Monochromacy



Original Color

13.6066, 5.9327, 68.8346

Achromatopsia

2.3940, 2.5187, 2.7428

Achromatomaly

4.0308, 2.7018, 14.4964

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6066, 5.9327, 68.8346 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(19, 22, 221)` looks like.

```
.text, #text, p{  
    color:rgb(19, 22, 221)  
}
```

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(19, 22, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 22, 221) }
```

Border

The CSS property to change the border of an element to XYZ 13.6066, 5.9327, 68.8346 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(19, 22, 221) }
```


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

```
.border{ border-color:rgb(19, 22, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 22, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 22, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 22, 221);  
box-shadow:4px 4px 4px 4px rgb(19, 22,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6066, 5.9327, 68.8346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 22, 221) }
```

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

```
.background{ background-color: rgb(19, 22,  
221) }
```

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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