

Converting Colors

XYZ(13.1102, 5.9337, 65.9296)

Have a look what the booklet for
XYZ(13.1102, 5.9337, 65.9296)
contains.

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Color

**XYZ(13.1366, 5.9418,
66.1001)**

Conversions

Conversions Part 1

Format	Color
Hex	0F1CD9
RGB	15, 28, 217
RGB Percent	6%, 11%, 85%
CMY	0.9410, 0.8902, 0.1490
CMYK	0.93, 0.87, 0.00, 0.15
HSL	236°, 87%, 45%
HSV	236°, 93%, 85%
XYZ	13.1366, 5.9418, 66.1001
YIQ	45.6590, -68.4170, 56.0230

Conversions

Conversions Part 2

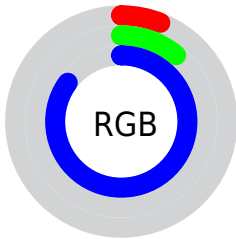
Format	Color
R_{YB}	15, 27, 217
Decimal	990425
CIE Lab	29.27, 63.41, -91.30
CIE LCh	29, 111.161, 304.778
Yxy	5.9418, 0.1542, 0.0698
Android (android.graphics.Color)	4279180505 (0xFF0F1CD9)
YUV	45.6590, 84.4711, -26.8879
Hunter-Lab	24.3758, 53.5395, -143.7142

Details

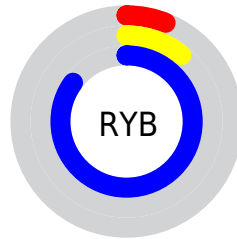
The XYZ color **13.1366, 5.9418, 66.1001** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **50.3057, 57.9941, 8.9960**, and the grayscale version is **2.4838, 2.6132, 2.8457**.

A 20% lighter version of the original color is **27.6008, 16.4021, 96.3189**, and **6.3452, 2.5381, 33.4132** is the 20% darker color. If you saturate the color by 10%, you get **12.6804, 5.3217, 66.0047**, and if you desaturate by 10%, it is **14.3473, 7.5369, 66.3444**.

Distribution



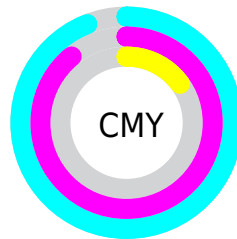
- Red (6%)
- Green (11%)
- Blue (85%)



- Red (6%)
- Yellow (11%)
- Blue (85%)



- Cyan (93%)
- Magenta (87%)
- Yellow (0%)
- Black (15%)



- Cyan (94%)
- Magenta (89%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1366, 5.9418, 66.1001 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 13.1366, 5.9418, 66.1001 by changing the saturation by 10% instead.

■ 13.1366, 5.9418,
66.1001

■ 13.1366, 5.9418,
66.1001

205.4112,
158.5564, 465.1488

■ 7.6003, 2.8097,
47.8967

■ 31.1482, 17.8103,
115.2584

■ 3.8899, 1.0332,
33.3857

■ 44.3542, 27.3154,
147.0503

■ 1.6401, 0.0000,
22.1485

■ 60.8476, 39.7137,
184.2088

■ 0.4183, 0.0000,
13.7667

■ 80.9936, 55.3896,
227.1524

■ 0.0000, 0.0000,
7.8217

■ 105.1576, 74.7274,
276.2996


■ 0.0000, 0.0000,
3.8949


■ 133.7050, 98.1115,

■ 0.0000, 0.0000,


332.0691


1.5679


 167.0010,
125.9264, 394.8793

 0.0000, 0.0000,
0.2677


 0.0000, 0.0000,
0.0000


 13.1366, 5.9418,
66.1001


 13.1366, 5.9418,
66.1001

 12.6804, 5.3217,
66.0047

 14.3473, 7.5369,
66.3444

 16.3991, 10.1308,
66.7370

 19.4099, 13.8522,
67.2966

 23.4784, 18.8105,
68.0392

■ 28.6908, 25.1020,
68.9788

■ 35.1247, 32.8134,
70.1282

■ 42.8507, 42.0242,
71.4989

■ 51.9340, 52.8081,
73.1016

■ 62.4356, 65.2336,
74.9465

Harmonies

Analogous

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



6.4903, 5.9418, 91.6215



13.1366, 5.9418, 66.1001



19.6543, 5.9418, 26.8462

Triad

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



13.1366, 5.9418, 66.1001



10.8402, 5.9418, 0.0000



0.3752, 5.9418, 9.0564

Complementary

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



13.1366, 5.9418, 66.1001



50.3057, 57.9941, 8.9960

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.



0.6244, 5.9418, 0.2160



13.1366, 5.9418, 66.1001



4.8810, 5.9418, 0.0000

Square

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



13.1366, 5.9418, 66.1001



17.8650, 5.9418, 0.0000



1.7370, 5.9418, 0.0000



0.8505, 5.9418, 38.5189

Rectangle

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



13.1366, 5.9418, 66.1001



21.7457, 5.9418, 9.3259



1.7370, 5.9418, 0.0000



0.3770, 5.9418, 4.2657

Sweetspot

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



13.1371, 5.9418, 66.1003



55.7431, 53.4043, 101.9778



35.8541, 54.0651, 65.3814



10.9356, 10.2423, 21.6505



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.



13.1371, 5.9418, 66.1003



18.2406, 7.6012, 95.1135



18.2384, 8.2098, 66.2692



12.4054, 12.7506, 16.4594



7.7027, 3.2748, 39.9645



0.5231, 0.2604, 2.5971

Inverse Universe

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



28.9962, 15.1783, 2.4996



41.3362, 21.2985, 2.4366



34.0263, 54.3655, 9.1536



13.0897, 13.0650, 13.7338



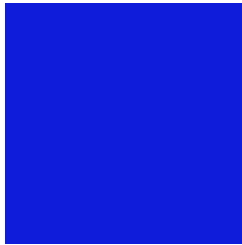
17.3833, 8.9544, 1.1325



1.1383, 0.5850, 0.1375

Previews

White Background



This preview shows how the XYZ color 13.1366, 5.9418, 66.1001 looks on a white background.

Color Contrast Check

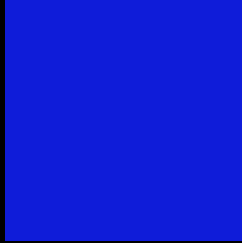
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.1366, 5.9418, 66.1001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

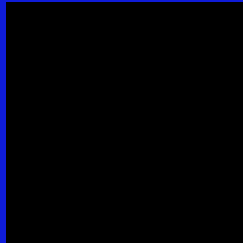
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.1366, 5.9418, 66.1001

Background



This preview shows how black text looks on a background with the XYZ color 13.1366, 5.9418, 66.1001.



This preview shows how white text looks on a background with the XYZ color 13.1366, 5.9418,

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

13.1366, 5.9418, 66.1001

Protanopia

6.7408, 5.9078, 25.5960

Deuteranopia

5.5233, 5.8145, 17.9707



Tritanopia

4.1018, 5.8869, 8.5095

Trichromacy



Original Color

13.1366, 5.9418, 66.1001

Protanomaly

8.4036, 5.4056, 37.6463

Deuteranomaly

7.2615, 5.0977, 31.1731

Tritanomaly

5.6558, 4.7719, 21.7421

Monochromacy



Original Color

13.1366, 5.9418, 66.1001

Achromatopsia

2.5969, 2.7321, 2.9752

Achromatomaly

4.1254, 2.8911, 14.5280

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1366, 5.9418, 66.1001 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(15, 28, 217)` looks like.

```
.text, #text, p{  
    color:rgb(15, 28, 217)  
}
```

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(15, 28, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 28, 217) }
```

Border

The CSS property to change the border of an element to XYZ 13.1366, 5.9418, 66.1001 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(15, 28, 217) }
```


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

```
.border{ border-color:rgb(15, 28, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 28, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 28, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 28, 217);  
box-shadow:4px 4px 4px 4px rgb(15, 28,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1366, 5.9418, 66.1001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 28, 217) }
```

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

```
.background{ background-color: rgb(15, 28,  
217) }
```

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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