

Converting Colors

XYZ(13.6634, 9.2335, 60.3336)

Have a look what the booklet for
XYZ(13.6634, 9.2335, 60.3336)
contains.

XYZ(13.6450, 9.2701, 60.1016)	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(13.6450, 9.2701,
60.1016)**

Conversions

Conversions Part 1

Format	Color
Hex	0049CF
RGB	0, 73, 207
RGB Percent	0%, 29%, 81%
CMY	0.9998, 0.7137, 0.1882
CMYK	1.00, 0.65, 0.00, 0.19
HSL	219°, 100%, 41%
HSV	219°, 100%, 81%
XYZ	13.6450, 9.2701, 60.1016
YIQ	66.4490, -86.5220, 26.1980

Conversions

Conversions Part 2

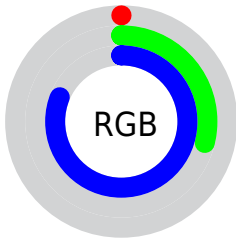
Format	Color
R _Y B	0, 54, 207
Decimal	18895
CIE Lab	36.50, 35.52, -73.55
CIE LCh	36, 81.672, 295.778
Yxy	9.2701, 0.1644, 0.1117
Android (android.graphics.Color)	4278208975 (0xFF0049CF)
YUV	66.4490, 69.2916, -58.2758
Hunter-Lab	30.4468, 26.7143, -95.7248

Details

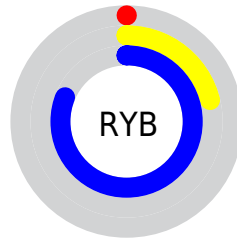
The XYZ color **13.6450, 9.2701, 60.1016** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed blue. A complement of this color would be **34.2638, 30.3282, 4.0493**, and the grayscale version is **5.1555, 5.4240, 5.9067**.

A 20% lighter version of the original color is **30.3669, 23.7195, 97.5856**, and **6.0759, 3.2143, 29.5783** is the 20% darker color. If you saturate the color by 10%, you get **13.6432, 9.2663, 60.1012**, and if you desaturate by 10%, it is **14.9264, 11.3816, 60.4419**.

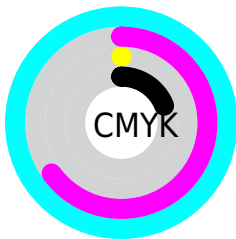
Distribution



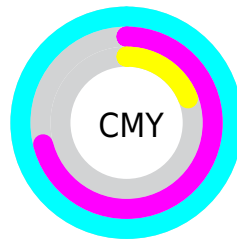
- Red (0%)
- Green (29%)
- Blue (81%)



- Red (0%)
- Yellow (21%)
- Blue (81%)



- Cyan (100%)
- Magenta (65%)
- Yellow (0%)
- Black (19%)



- Cyan (100%)
- Magenta (71%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6450, 9.2701, 60.1016 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 13.6450, 9.2701, 60.1016 by changing the saturation by 10% instead.

■ 13.6450, 9.2701,
60.1016

■ 13.6450, 9.2701,
60.1016

208.5662,
185.3802, 442.7872

■ 7.9542, 4.9178,
43.0747

■ 32.0493, 24.4133,
106.5219

■ 4.1172, 2.1991,
29.6119

■ 45.4936, 35.9729,
136.7523

■ 1.7687, 0.7195,
19.2946

■ 62.2531, 50.7038,
172.2210

■ 0.4987, 0.0000,
11.7044

■ 82.6932, 68.9902,
213.3465

■ 0.0000, 0.0000,
6.4227

■ 107.1791, 91.2167,
260.5473

■ 0.0000, 0.0000,
3.0308

136.0764,

■ 0.0000, 0.0000,

117.7676, 314.2420

1.1104

169.7503,
149.0273, 374.8491

■ 0.0000, 0.0000,
0.0000

■ 13.6450, 9.2701,
60.1016

■ 13.6450, 9.2701,
60.1016

■ 13.6432, 9.2663,
60.1012

■ 14.9264, 11.3816,
60.4419

■ 16.7333, 14.0626,
60.8642

■ 19.1865, 17.3905,
61.3772

■ 22.3553, 21.4154,
61.9871

■ 26.2988, 26.1811,
62.6991

■ 31.0696, 31.7275,
63.5182

■ 36.7155, 38.0912,
64.4490

■ 43.2802, 45.3062,
65.4956

■ 50.8046, 53.4045,
66.6622

Harmonies

Analogous

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



8.1270, 9.2701, 69.2153



13.6450, 9.2701, 60.1016



19.2876, 9.2701, 34.5765

Triad

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



13.6450, 9.2701, 60.1016



15.3392, 9.2701, 0.0000



2.3104, 9.2701, 8.2125

Complementary

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



13.6450, 9.2701, 60.1016



34.2638, 30.3282, 4.0493

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.



3.0425, 9.2701, 1.2061



13.6450, 9.2701, 60.1016



9.5322, 9.2701, 0.0000

Square

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



13.6450, 9.2701, 60.1016



20.4963, 9.2701, 2.2642



5.2793, 9.2701, 0.0000



2.7097, 9.2701, 27.2476

Rectangle

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



13.6450, 9.2701, 60.1016



21.6714, 9.2701, 18.4043



5.2793, 9.2701, 0.0000



2.4213, 9.2701, 4.7590

Sweetspot

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



13.6456, 9.2703, 60.1019



58.4683, 60.6308, 103.2290



26.4181, 46.2680, 29.0523



11.6556, 12.0157, 21.9549



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.



13.6456, 9.2703, 60.1019



21.6970, 14.5140, 96.2657



11.7321, 4.7478, 59.3298



11.4997, 12.0898, 14.9711



8.6768, 6.0001, 37.8933



0.5590, 0.4832, 2.1434

Inverse Universe

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



26.9353, 13.7474, 7.5370



43.0808, 21.9963, 11.6237



40.9976, 54.2581, 8.3133



11.9784, 11.8761, 13.1620



17.0104, 8.6770, 4.9607



0.9884, 0.5001, 0.4736

Previews

White Background



This preview shows how the XYZ color 13.6450, 9.2701, 60.1016 looks on a white background.

Color Contrast Check

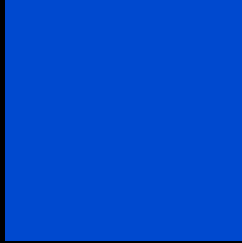
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.6450, 9.2701, 60.1016 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

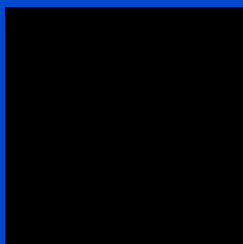
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.6450, 9.2701, 60.1016

Background



This preview shows how black text looks on a background with the XYZ color 13.6450, 9.2701, 60.1016.



This preview shows how white text looks on a background with the XYZ color 13.6450, 9.2701,

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

13.6450, 9.2701, 60.1016

Protanopia

10.8311, 9.2817, 41.7781

Deuteranopia

8.9145, 9.1494, 29.7299



Tritanopia

6.4412, 9.1240, 13.7335

Trichromacy



Original Color

13.6450, 9.2701, 60.1016

Protanomaly

11.7656, 9.1798, 48.1655

Deuteranomaly

10.3490, 9.0888, 39.2391

Tritanomaly

8.1418, 8.7098, 26.0630

Monochromacy



Original Color

13.6450, 9.2701, 60.1016

Achromatopsia

5.1784, 5.4480, 5.9329

Achromatomaly

6.2939, 6.0328, 17.6624

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6450, 9.2701, 60.1016 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, 207)` looks like.

```
.text, #text, p{  
    color:rgb(0, 73, 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(0, 73, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 73, 207) }
```

Border

The CSS property to change the border of an element to XYZ 13.6450, 9.2701, 60.1016 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, 207) }
```


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

```
.border{ border-color:rgb(0, 73, 207) }
```

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, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 73, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 73, 207);  
box-shadow:4px 4px 4px 4px rgb(0, 73, 207)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.6450, 9.2701, 60.1016 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, 207) }
```

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

```
.background{ background-color: rgb(0, 73,  
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](#).

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