

# Converting Colors

XYZ(14.8844, 6.9158, 75.4142)

Have a look what the booklet for  
XYZ(14.8844, 6.9158, 75.4142)  
contains.

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# Color

**XYZ(14.8840, 6.9152,  
75.4132)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0023E6
RGB	0, 35, 230
RGB Percent	0%, 14%, 90%
CMY	0.9997, 0.8628, 0.0980
CMYK	1.00, 0.85, 0.00, 0.10
HSL	231°, 100%, 45%
HSV	231°, 100%, 90%
XYZ	14.8840, 6.9152, 75.4132
YIQ	46.7650, -83.4550, 53.2250

# Conversions

## Conversions Part 2

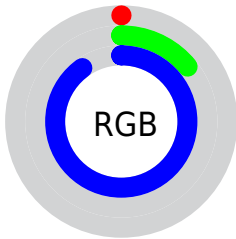
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 30, 230
Decimal	9190
CIELab	31.61, 64.27, -94.86
CIElCh	32, 114.586, 304.120
Yxy	6.9152, 0.1531, 0.0711
Android (android.graphics.Color)	4278199270 (0xFF0023E6)
YUV	46.7650, 90.3349, -41.0129
Hunter-Lab	26.2968, 55.0119, -151.6226

# Details

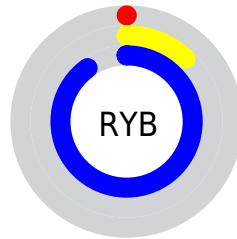
The XYZ color **14.8840, 6.9152, 75.4132** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark washed blue. A complement of this color would be **52.1656, 55.8871, 8.0398**, and the grayscale version is **2.5932, 2.7283, 2.9711**.

A 20% lighter version of the original color is **28.0599, 17.3203, 96.4720**, and **7.5428, 3.0171, 39.7200** is the 20% darker color. If you saturate the color by 10%, you get **14.8821, 6.9115, 75.4129**, and if you desaturate by 10%, it is **15.9803, 8.5811, 75.6773**.

# Distribution



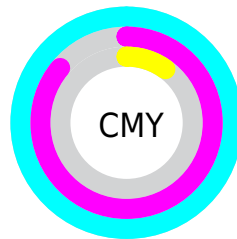
- Red (0%)
- Green (14%)
- Blue (90%)



- Red (0%)
- Yellow (12%)
- Blue (90%)



- Cyan (100%)
- Magenta (85%)
- Yellow (0%)
- Black (10%)



- Cyan (100%)
- Magenta (86%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 14.8840, 6.9152, 75.4132 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 14.8840, 6.9152, 75.4132 by changing the saturation by 10% instead.



■ 14.8840, 6.9152,  
75.4132

■ 14.8840, 6.9152,  
75.4132

216.0654,  
166.9572, 498.6299

■ 8.8238, 3.4091,  
55.4477

■ 34.2229, 19.8024,  
128.6496

■ 4.6826, 1.3489,  
39.3593

■ 48.2323, 29.9523,  
162.7575

■ 2.0951, 0.1786,  
26.7293

■ 65.6221, 43.0857,  
202.4167

■ 0.6865, 0.0000,  
17.1394

■ 86.7577, 59.5868,  
248.0456

■ 0.0000, 0.0000,  
10.1709

■ 112.0045, 79.8401,  
300.0629

■ 0.0000, 0.0000,  
5.4054

■ 141.7278,

■ 0.0000, 0.0000,

104.2300, 358.8870

2.4241

176.2930,  
133.1409, 424.9364

0.0000, 0.0000,  
0.7995

0.0000, 0.0000,  
0.0000

14.8840, 6.9152,  
75.4132

14.8840, 6.9152,  
75.4132

14.8821, 6.9115,  
75.4129

15.9803, 8.5811,  
75.6773

17.8618, 11.1938,  
76.0824

20.7014, 14.8996,  
76.6480

24.6104, 19.8062,  
77.3891

■ 29.6846, 26.0077,  
78.3186

■ 36.0085, 33.5887,  
79.4486

■ 43.6591, 42.6265,  
80.7898

■ 52.7066, 53.1926,  
82.3525

■ 63.2166, 65.3537,  
84.1458

# Harmonies

## Analogous

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



7.3958, 6.9152, 103.0794



14.8840, 6.9152, 75.4132



22.2867, 6.9152, 31.3798

# Triad

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



14.8840, 6.9152, 75.4132



12.6444, 6.9152, 0.0000



0.5364, 6.9152, 10.0294

# Complementary

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



14.8840, 6.9152, 75.4132



52.1656, 55.8871, 8.0398

# 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.



0.8097, 6.9152, 0.3139



14.8840, 6.9152, 75.4132



5.8131, 6.9152, 0.0000

# Square

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



14.8840, 6.9152, 75.4132



20.5488, 6.9152, 0.0000



2.1294, 6.9152, 0.0000



1.0222, 6.9152, 42.6765



# Rectangle

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



14.8840, 6.9152, 75.4132



24.7324, 6.9152, 11.2436



2.1294, 6.9152, 0.0000



0.5439, 6.9152, 4.7392

# Sweetspot

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



14.8846, 6.9152, 75.4135



54.9645, 53.6231, 102.0611



37.7765, 60.3858, 59.3470



10.8453, 10.3950, 21.6848



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.



14.8846, 6.9152, 75.4135



18.7668, 8.6535, 95.2889



17.3210, 7.2804, 75.3555



13.7587, 14.2387, 18.1675



8.4807, 4.0235, 42.7128



0.6816, 0.4072, 3.1746



# Inverse Universe

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



32.9372, 16.9458, 3.1244



41.6018, 21.4047, 3.8352



41.5014, 63.4010, 10.0522



14.4658, 14.4035, 15.3872



18.6742, 9.6039, 1.9133

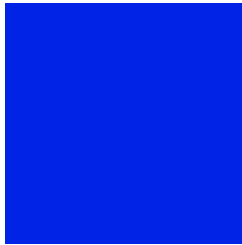


1.4077, 0.7208, 0.2874



# Previews

## White Background



This preview shows how the XYZ color 14.8840, 6.9152, 75.4132 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

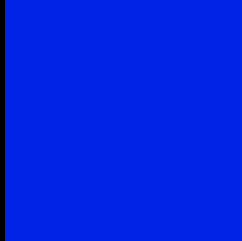
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the XYZ color 14.8840, 6.9152, 75.4132 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

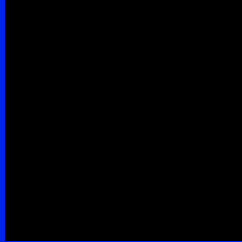
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 14.8840, 6.9152, 75.4132**

## **Background**



This preview shows how black text looks on a background with the XYZ color 14.8840, 6.9152, 75.4132.



This preview shows how white text looks on a background with the XYZ color 14.8840, 6.9152,



# 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

14.8840, 6.9152, 75.4132

### Protanopia

7.9033, 6.8691, 30.1875

### Deuteranopia

6.5502, 6.8663, 21.4022



## Tritanopia

4.7730, 6.8584, 9.8763

# Trichromacy



## Original Color

14.8840, 6.9152, 75.4132

## Protanomaly

9.8022, 6.4232, 43.9032

## Deuteranomaly

8.5142, 6.1619, 36.3379

## Tritanomaly

6.5357, 5.7314, 24.8066

# Monochromacy



## Original Color

14.8840, 6.9152, 75.4132

## Achromatopsia

2.7019, 2.8426, 3.0956

## Achromatomaly

4.4366, 3.2187, 16.3070

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 14.8840, 6.9152, 75.4132 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, 35, 230)` looks like.

```
.text, #text, p{  
    color:rgb(0, 35, 230)  
}
```

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, 35, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 35, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 14.8840, 6.9152, 75.4132 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, 35, 230) }
```



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

```
.border{ border-color:rgb(0, 35, 230) }
```

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

Here you see how a box with a 4 pixel rgb(0, 35, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 35, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 35, 230);  
box-shadow:4px 4px 4px 4px rgb(0, 35, 230)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 14.8840, 6.9152, 75.4132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 35, 230) }
```

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

```
.background{ background-color: rgb(0, 35,  
230) }
```

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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