

Converting Colors

XYZ(15.7335, 7.5963, 67.3594)

Have a look what the booklet for
XYZ(15.7335, 7.5963, 67.3594)
contains.

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Color

**XYZ(15.8010, 7.6052,
67.6530)**

Conversions

Conversions Part 1

Format	Color
Hex	4424DB
RGB	68, 36, 219
RGB Percent	27%, 14%, 86%
CMY	0.7333, 0.8588, 0.1412
CMYK	0.69, 0.84, 0.00, 0.14
HSL	250°, 72%, 50%
HSV	250°, 84%, 86%
XYZ	15.8010, 7.6052, 67.6530
YIQ	66.4300, -39.6710, 63.6970

Conversions

Conversions Part 2

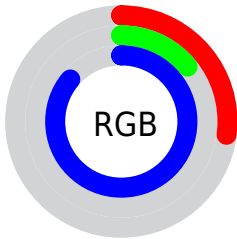
Format	Color
R_{YB}	68, 36, 219
Decimal	4465883
CIE _{Lab}	33.15, 63.09, -85.93
CIE _{LCh}	33, 106.600, 306.286
Yxy	7.6052, 0.1735, 0.0835
Android (android.graphics.Color)	4282655963 (0xFF4424DB)
YUV	66.4300, 75.2170, 1.3769
Hunter-Lab	27.5775, 54.0139, -126.1456

Details

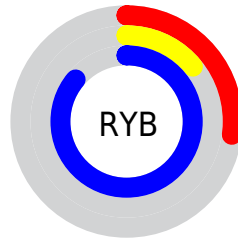
The XYZ color **15.8010, 7.6052, 67.6530** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **46.1402, 61.3537, 11.0793**, and the grayscale version is **5.1366, 5.4041, 5.8851**.

A 20% lighter version of the original color is **31.9389, 19.6831, 96.7236**, and **6.5216, 2.6086, 34.3422** is the 20% darker color. If you saturate the color by 10%, you get **14.2571, 6.1078, 67.4456**, and if you desaturate by 10%, it is **18.1391, 10.1123, 68.0139**.

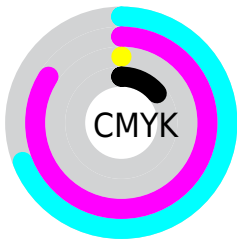
Distribution



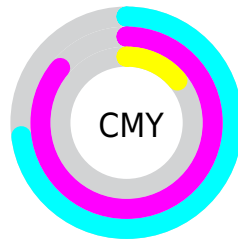
- Red (27%)
- Green (14%)
- Blue (86%)



- Red (27%)
- Yellow (14%)
- Blue (86%)



- Cyan (69%)
- Magenta (84%)
- Yellow (0%)
- Black (14%)



- Cyan (73%)
- Magenta (86%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8010, 7.6052, 67.6530 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 15.8010, 7.6052, 67.6530 by changing the saturation by 10% instead.

■ 15.8010, 7.6052,
67.6530

■ 15.8010, 7.6052,
67.6530

221.4581,
172.6018, 470.8302

■ 9.4734, 3.8434,
49.1506

■ 35.8126, 21.1808,
117.5051

■ 5.1108, 1.5863,
34.3725

■ 50.2274, 31.7633,
149.6919

■ 2.3478, 0.3484,
22.9002

■ 68.0685, 45.3882,
187.2771

■ 0.8190, 0.0000,
14.3152

■ 89.7015, 62.4398,
230.6795

■ 0.0000, 0.0000,
8.1990

■ 115.4915, 83.3026,
280.3174

■ 0.0000, 0.0000,
4.1330

■ 145.8041,

■ 0.0000, 0.0000,

108.3609, 336.6095

1.6986

181.0045,
137.9992, 399.9742

■ 0.0000, 0.0000,
0.3597

■ 0.0000, 0.0000,
0.0000

■ 15.8010, 7.6052,
67.6530

■ 15.8010, 7.6052,
67.6530

■ 14.2571, 6.1078,
67.4456

■ 18.1391, 10.1123,
68.0139

■ 13.5971, 5.5325,
67.3693

■ 21.3661, 13.7739,
68.5506

■ 25.5645, 18.7110,
69.2823

■ 30.8068, 25.0290,
70.2255

■ 37.1580, 32.8223,
71.3950

■ 44.6781, 42.1768,
72.8043

■ 53.4224, 53.1718,
74.4656

■ 63.4428, 65.8812,
76.3907

■ 74.7882, 80.3743,
78.5901

Harmonies

Analogous

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



8.4905, 7.6052, 94.3817



15.8010, 7.6052, 67.6530



22.5296, 7.6052, 28.2807

Triad

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



15.8010, 7.6052, 67.6530



12.5652, 7.6052, 0.0000



0.9026, 7.6052, 12.1959

Complementary

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



15.8010, 7.6052, 67.6530



46.1402, 61.3537, 11.0793

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.



1.1337, 7.6052, 0.9987



15.8010, 7.6052, 67.6530



6.0982, 7.6052, 0.0000

Square

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



15.8010, 7.6052, 67.6530



20.0750, 7.6052, 0.0000



2.5027, 7.6052, 0.0000



1.5179, 7.6052, 43.9649

Rectangle

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



15.8010, 7.6052, 67.6530



24.5016, 7.6052, 10.4744



2.5027, 7.6052, 0.0000



0.8919, 7.6052, 6.4170

Sweetspot

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



15.8016, 7.6053, 67.6532



61.2015, 57.2035, 102.4235



31.6038, 41.6698, 73.3955



12.2744, 11.2154, 21.7678



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.



15.8016, 7.6053, 67.6532



19.1150, 7.7691, 95.0998



27.5173, 13.6450, 68.2015



12.5500, 12.7261, 16.4471



8.1268, 3.3137, 39.9497



0.5917, 0.2483, 2.5912

Inverse Universe

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



38.8125, 19.9089, 48.8032



52.9217, 25.9327, 63.4449



30.5795, 53.3318, 10.3511



13.5115, 13.2337, 15.9549



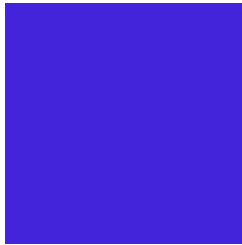
22.2851, 10.9151, 26.9451



1.4700, 0.7176, 1.8838

Previews

White Background



This preview shows how the XYZ color 15.8010, 7.6052, 67.6530 looks on a white background.

Color Contrast Check

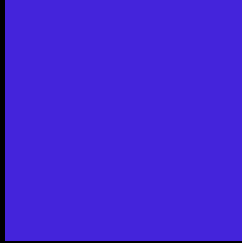
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.8010, 7.6052, 67.6530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

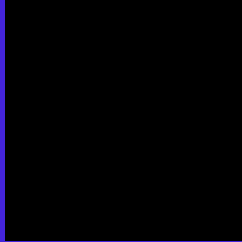
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.8010, 7.6052, 67.6530

Background



This preview shows how black text looks on a background with the XYZ color 15.8010, 7.6052, 67.6530.



This preview shows how white text looks on a background with the XYZ color 15.8010, 7.6052,

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

15.8010, 7.6052, 67.6530

Protanopia

8.6876, 7.5008, 33.3377

Deuteranopia

7.1717, 7.4586, 23.6159



Tritanopia

5.2596, 7.4283, 11.2818

Trichromacy



Original Color

15.8010, 7.6052, 67.6530

Protanomaly

10.3079, 6.8394, 43.9569

Deuteranomaly

9.0258, 6.5901, 36.3936

Tritanomaly

7.0555, 6.1759, 24.8650

Monochromacy



Original Color

15.8010, 7.6052, 67.6530

Achromatopsia

5.1784, 5.4480, 5.9329

Achromatomaly

7.1938, 5.3308, 19.0621

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8010, 7.6052, 67.6530 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(68, 36, 219)` looks like.

```
.text, #text, p{  
    color:rgb(68, 36, 219)  
}
```

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(68, 36, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 36, 219) }
```

Border

The CSS property to change the border of an element to XYZ 15.8010, 7.6052, 67.6530 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(68, 36, 219) }
```


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

```
.border{ border-color:rgb(68, 36, 219) }
```

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

Here you see how a box with a 4 pixel rgb(68, 36, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 36, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 36, 219);  
box-shadow:4px 4px 4px 4px rgb(68, 36,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8010, 7.6052, 67.6530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 36, 219) }
```

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

```
.background{ background-color: rgb(68, 36,  
219) }
```

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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