

Converting Colors

XYZ(15.5174, 6.3577, 74.9046)

Have a look what the booklet for
XYZ(15.5174, 6.3577, 74.9046)
contains.

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Color

**XYZ(15.5983, 6.3913,
75.2744)**

Conversions

Conversions Part 1

Format	Color
Hex	3200E6
RGB	50, 0, 230
RGB Percent	20%, 0%, 90%
CMY	0.8039, 1.0000, 0.0980
CMYK	0.78, 1.00, 0.00, 0.10
HSL	253°, 100%, 45%
HSV	253°, 100%, 90%
XYZ	15.5983, 6.3913, 75.2744
YIQ	41.1700, -44.0300, 82.1300

Conversions

Conversions Part 2

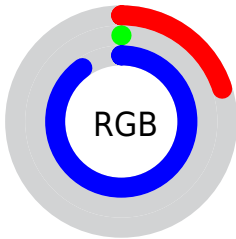
Format	Color
RYB	50, 0, 230
Decimal	3277030
CIELab	30.38, 73.84, -96.88
CIELCh	30, 121.811, 307.313
Yxy	6.3913, 0.1604, 0.0657
Android (android.graphics.Color)	4281467110 (0xFF3200E6)
YUV	41.1700, 93.0932, 7.7439
Hunter-Lab	25.2810, 65.8921, -158.8396

Details

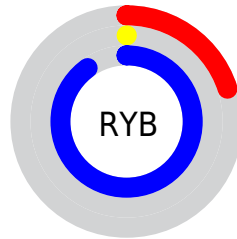
The XYZ color **15.5983, 6.3913, 75.2744** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **47.1160, 66.2954, 10.3130**, and the grayscale version is **2.0442, 2.1507, 2.3421**.

A 20% lighter version of the original color is **29.2934, 16.2674, 96.2037**, and **7.5428, 3.0171, 39.7200** is the 20% darker color. If you saturate the color by 10%, you get **15.5991, 6.3917, 75.2747**, and if you desaturate by 10%, it is **16.9742, 7.5554, 75.4268**.

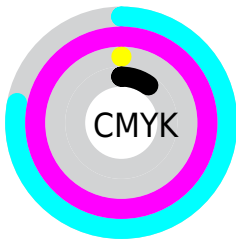
Distribution



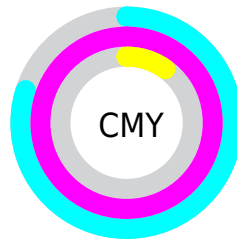
- Red (20%)
- Green (0%)
- Blue (90%)



- Red (20%)
- Yellow (0%)
- Blue (90%)



- Cyan (78%)
- Magenta (100%)
- Yellow (0%)
- Black (10%)



- Cyan (80%)
- Magenta (100%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.5983, 6.3913, 75.2744 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 15.5983, 6.3913, 75.2744 by changing the saturation by 10% instead.

■ 15.5983, 6.3913,
75.2744

■ 15.5983, 6.3913,
75.2744

220.2769,
162.5056, 498.1407

■ 9.3294, 3.0844,
55.3346

■ 35.4625, 18.7378,
128.4514

■ 5.0155, 1.1760,
39.2693

■ 49.7885, 28.5461,
162.5257

■ 2.2912, 0.0420,
26.6598

■ 67.5310, 41.2905,
202.1486

■ 0.7902, 0.0000,
17.0877

■ 89.0552, 57.3552,
247.7386

■ 0.0000, 0.0000,
10.1345

■ 114.7265, 77.1247,
299.7143

■ 0.0000, 0.0000,
5.3814


■ 144.9103,


■ 0.0000, 0.0000,


100.9833, 358.4942

2.4101


 179.9720,
129.3155, 424.4968

 0.0000, 0.0000,
0.7920

 0.0000, 0.0000,
0.0000


 15.5983, 6.3913,
75.2744


 15.5983, 6.3913,
75.2744

 15.5991, 6.3917,
75.2747

 16.9742, 7.5554,
75.4268

 19.0988, 9.6462,
75.7184

 22.1212, 12.9131,
76.1897

 26.1374, 17.5057,
76.8645

■ 31.2302, 23.5508,
77.7629

■ 37.4732, 31.1599,
78.9026

■ 44.9334, 40.4336,
80.2994

■ 53.6725, 51.4640,
81.9679

■ 63.7477, 64.3363,
83.9214

Harmonies

Analogous

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



7.6007, 6.3913, 110.1687



15.5983, 6.3913, 75.2744



23.1593, 6.3913, 27.8439

Triad

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



15.5983, 6.3913, 75.2744



11.4432, 6.3913, 0.0000



0.2471, 6.3913, 11.8427

Complementary

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



15.5983, 6.3913, 75.2744



47.1160, 66.2954, 10.3130

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.



0.4530, 6.3913, 0.3772



15.5983, 6.3913, 75.2744



4.7681, 6.3913, 0.0000

Square

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



15.5983, 6.3913, 75.2744



19.8782, 6.3913, 0.0000



1.5236, 6.3913, 0.0000



0.8315, 6.3913, 49.5168

Rectangle

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



15.5983, 6.3913, 75.2744



25.2885, 6.3913, 8.5591



1.5236, 6.3913, 0.0000



0.2262, 6.3913, 5.5720

Sweetspot

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



15.5991, 6.3917, 75.2747



56.6107, 50.8803, 101.4449



30.6379, 38.4231, 80.6648



11.2226, 9.7736, 21.5450



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.



15.5991, 6.3917, 75.2747



19.6504, 8.0450, 95.1249



29.7654, 13.6947, 75.9377



13.8744, 14.0375, 18.1226



8.9159, 3.6622, 42.6201



0.7367, 0.3108, 3.1531

Inverse Universe

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



40.8700, 20.1178, 44.9015



51.6127, 25.4091, 56.5520



30.4879, 57.7233, 9.5348



14.8539, 14.5587, 17.4309



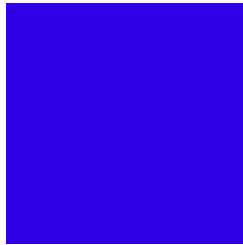
23.1854, 11.4084, 25.6692



1.7467, 0.8564, 2.0727

Previews

White Background



This preview shows how the XYZ color 15.5983, 6.3913, 75.2744 looks on a white background.

Color Contrast Check

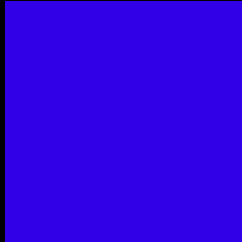
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.5983, 6.3913, 75.2744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

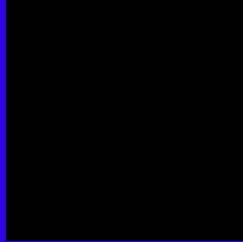
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.5983, 6.3913, 75.2744

Background



This preview shows how black text looks on a background with the XYZ color 15.5983, 6.3913, 75.2744.



This preview shows how white text looks on a background with the XYZ color 15.5983, 6.3913,

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

15.5983, 6.3913, 75.2744

Protanopia

7.5355, 6.5184, 28.8780

Deuteranopia

6.2177, 6.5128, 20.3314



Tritanopia

4.5821, 6.5407, 9.6153

Trichromacy



Original Color

15.5983, 6.3913, 75.2744

Protanomaly

9.2237, 5.2197, 42.6408

Deuteranomaly

7.9173, 4.8868, 35.1763

Tritanomaly

6.0649, 4.4196, 24.5782

Monochromacy



Original Color

15.5983, 6.3913, 75.2744

Achromatopsia

2.1076, 2.2174, 2.4147

Achromatomaly

4.2226, 2.4001, 14.9926

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5983, 6.3913, 75.2744 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(50, 0, 230)` looks like.

```
.text, #text, p{  
    color:rgb(50, 0, 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(50, 0, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 0, 230) }
```

Border

The CSS property to change the border of an element to XYZ 15.5983, 6.3913, 75.2744 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(50, 0, 230) }
```


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

```
.border{ border-color:rgb(50, 0, 230) }
```

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

Here you see how a box with a 4 pixel rgb(50, 0, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 0, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 0, 230);  
box-shadow:4px 4px 4px 4px rgb(50, 0, 230)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.5983, 6.3913, 75.2744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 0, 230) }
```

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

```
.background{ background-color: rgb(50, 0,  
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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