

Converting Colors

XYZ(15.8321, 6.4792, 76.7601)

Have a look what the booklet for
XYZ(15.8321, 6.4792, 76.7601)
contains.

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Color

**XYZ(15.8321, 6.4792,
76.7601)**

Conversions

Conversions Part 1

Format	Color
Hex	3100E8
RGB	49, 0, 232
RGB Percent	19%, 0%, 91%
CMY	0.8078, 1.0000, 0.0902
CMYK	0.79, 1.00, 0.00, 0.09
HSL	253°, 100%, 45%
HSV	253°, 100%, 91%
XYZ	15.8321, 6.4792, 76.7601
YIQ	41.0990, -45.2680, 82.5400

Conversions

Conversions Part 2

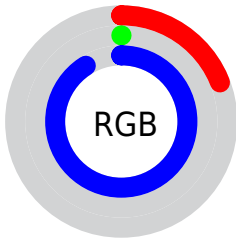
Format	Color
R _Y B	49, 0, 232
Decimal	3211496
CIE Lab	30.59, 74.29, -97.67
CIE LCh	31, 122.712, 307.256
Yxy	6.4792, 0.1598, 0.0654
Android (android.graphics.Color)	4281401576 (0xFF3100E8)
YUV	41.0990, 94.1142, 6.9292
Hunter-Lab	25.4543, 66.4788, -160.9774

Details

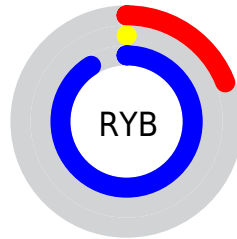
The XYZ color **15.8321, 6.4792, 76.7601** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **48.3817, 67.7789, 10.5327**, and the grayscale version is **2.0370, 2.1431, 2.3339**.

A 20% lighter version of the original color is **29.2934, 16.2674, 96.2037**, and **7.6400, 3.0560, 40.2316** is the 20% darker color. If you saturate the color by 10%, you get **15.8329, 6.4796, 76.7604**, and if you desaturate by 10%, it is **17.2122, 7.6514, 76.9139**.

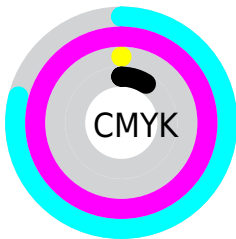
Distribution



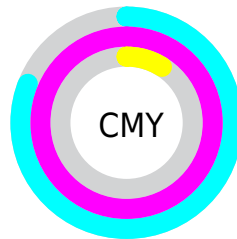
- Red (19%)
- Green (0%)
- Blue (91%)



- Red (19%)
- Yellow (0%)
- Blue (91%)



- Cyan (79%)
- Magenta (100%)
- Yellow (0%)
- Black (9%)



- Cyan (81%)
- Magenta (100%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8321, 6.4792, 76.7601 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 15.8321, 6.4792, 76.7601 by changing the saturation by 10% instead.

■ 15.8321, 6.4792,
76.7601

■ 15.8321, 6.4792,
76.7601

221.6388,
163.2633, 503.3616

■ 9.4955, 3.1386,
56.5456

■ 35.8663, 18.9176,
130.5707

■ 5.1255, 1.2045,
40.2336

■ 50.2946, 28.7841,
165.0039

■ 2.3566, 0.0654,
27.4056

■ 68.1508, 41.5947,
205.0137

■ 0.8234, 0.0000,
17.6429

■ 89.8004, 57.7339,
251.0188

■ 0.0000, 0.0000,
10.5271

■ 115.6086, 77.5859,
303.4375


■ 0.0000, 0.0000,
5.6397


■ 145.9409,


■ 0.0000, 0.0000,


101.5352, 362.6886


2.5620


 181.1625,
129.9662, 429.1904

 0.0000, 0.0000,
0.8728

 0.0000, 0.0000,
0.0000


 15.8321, 6.4792,
76.7601


 15.8321, 6.4792,
76.7601

 15.8329, 6.4796,
76.7604

 17.2122, 7.6514,
76.9139

 19.3604, 9.7717,
77.2099

 22.4293, 13.0944,
77.6895

 26.5181, 17.7727,
78.3770

■ 31.7119, 23.9367,
79.2930

■ 38.0868, 31.7006,
80.4556

■ 45.7118, 41.1675,
81.8811

■ 54.6504, 52.4317,
83.5842

■ 64.9617, 65.5805,
85.5787

Harmonies

Analogous

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



7.6969, 6.4792, 112.2796



15.8321, 6.4792, 76.7601



23.5387, 6.4792, 28.3907

Triad

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



15.8321, 6.4792, 76.7601



11.6352, 6.4792, 0.0000



0.2472, 6.4792, 11.9764

Complementary

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



15.8321, 6.4792, 76.7601



48.3817, 67.7789, 10.5327

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.



0.4562, 6.4792, 0.3705



15.8321, 6.4792, 76.7601



4.8397, 6.4792, 0.0000

Square

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



15.8321, 6.4792, 76.7601



20.2225, 6.4792, 0.0000



1.5405, 6.4792, 0.0000



0.8345, 6.4792, 50.3067

Rectangle

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



15.8321, 6.4792, 76.7601



25.7170, 6.4792, 8.7188



1.5405, 6.4792, 0.0000



0.2267, 6.4792, 5.6172

Sweetspot

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



15.8329, 6.4796, 76.7604



56.4886, 50.8173, 101.4392



32.0404, 40.7758, 82.5260



11.1944, 9.7591, 21.5436



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.



15.8329, 6.4796, 76.7604



19.5646, 8.0008, 95.1209



29.5473, 13.5496, 77.4022



13.8660, 14.0331, 18.1222



8.8749, 3.6411, 42.6182



0.7326, 0.3086, 3.1529

Inverse Universe

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



41.8246, 20.5742, 46.5586



51.7974, 25.4830, 57.5247



31.3538, 59.0007, 9.7358



14.8578, 14.5603, 17.4518



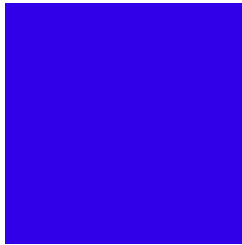
23.2670, 11.4410, 26.0988



1.7521, 0.8585, 2.1010

Previews

White Background



This preview shows how the XYZ color 15.8321, 6.4792, 76.7601 looks on a white background.

Color Contrast Check

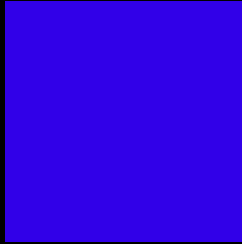
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.8321, 6.4792, 76.7601 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 15.8321, 6.4792, 76.7601

Background



This preview shows how black text looks on a background with the XYZ color 15.8321, 6.4792, 76.7601.



This preview shows how white text looks on a background with the XYZ color 15.8321, 6.4792,

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

15.8321, 6.4792, 76.7601

Protanopia

7.5985, 6.6446, 28.8990

Deuteranopia

6.3503, 6.6752, 20.6924



Tritanopia

4.5821, 6.5407, 9.6153

Trichromacy



Original Color

15.8321, 6.4792, 76.7601

Protanomaly

9.3245, 5.2600, 43.1717

Deuteranomaly

8.0979, 4.9591, 36.1277

Tritanomaly

6.0649, 4.4196, 24.5782

Monochromacy



Original Color

15.8321, 6.4792, 76.7601

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 15.8321, 6.4792, 76.7601 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(49, 0, 232)` looks like.

```
.text, #text, p{  
    color:rgb(49, 0, 232)  
}
```

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(49, 0, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 0, 232) }
```

Border

The CSS property to change the border of an element to XYZ 15.8321, 6.4792, 76.7601 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(49, 0, 232) }
```


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

```
.border{ border-color:rgb(49, 0, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 0, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 0, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 0, 232);  
box-shadow:4px 4px 4px 4px rgb(49, 0, 232)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.8321, 6.4792, 76.7601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 0, 232) }
```

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

```
.background{ background-color: rgb(49, 0,  
232) }
```

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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