

Converting Colors

XYZ(15.9547, 7.4166, 80.8264)

Have a look what the booklet for
XYZ(15.9547, 7.4166, 80.8264)
contains.

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Color

**XYZ(15.9476, 7.4376,
80.7158)**

Conversions

Conversions Part 1

Format	Color
Hex	0025ED
RGB	0, 37, 237
RGB Percent	0%, 15%, 93%
CMY	0.9998, 0.8549, 0.0706
CMYK	1.00, 0.84, 0.00, 0.07
HSL	231°, 100%, 46%
HSV	231°, 100%, 93%
XYZ	15.9476, 7.4376, 80.7158
YIQ	48.7370, -86.2520, 54.3560

Conversions

Conversions Part 2

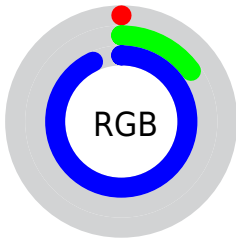
Format	Color
RYB	0, 32, 237
Decimal	9709
CIELab	32.78, 65.50, -96.90
CIELCh	33, 116.962, 304.059
Yxy	7.4376, 0.1532, 0.0714
Android (android.graphics.Color)	4278199789 (0xFF0025ED)
YUV	48.7370, 92.8137, -42.7423
Hunter-Lab	27.2720, 56.6540, -156.3880

Details

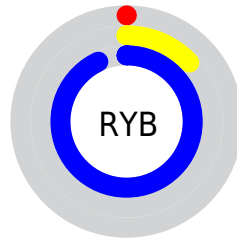
The XYZ color **15.9476, 7.4376, 80.7158** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark washed blue. A complement of this color would be **55.5950, 59.3438, 8.5260**, and the grayscale version is **2.8001, 2.9459, 3.2081**.

A 20% lighter version of the original color is **28.4792, 17.7769, 96.5380**, and **8.1367, 3.2547, 42.8472** is the 20% darker color. If you saturate the color by 10%, you get **15.9459, 7.4341, 80.7155**, and if you desaturate by 10%, it is **17.1202, 9.2320, 81.0006**.

Distribution



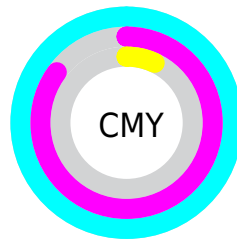
- Red (0%)
- Green (15%)
- Blue (93%)



- Red (0%)
- Yellow (13%)
- Blue (93%)



- Cyan (100%)
- Magenta (84%)
- Yellow (0%)
- Black (7%)



- Cyan (100%)
- Magenta (85%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9476, 7.4376, 80.7158 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 15.9476, 7.4376, 80.7158 by changing the saturation by 10% instead.

■ 15.9476, 7.4376,
80.7158

■ 15.9476, 7.4376,
80.7158

222.3088,
171.2519, 517.1121

■ 9.5777, 3.7372,
59.7779

■ 36.0654, 20.8483,
136.1921

■ 5.1800, 1.5277,
42.8155

■ 50.5440, 31.3274,
171.5676

■ 2.3891, 0.3081,
29.4101

■ 68.4562, 44.8349,
212.5928

■ 0.8397, 0.0000,
19.1430

■ 90.1674, 61.7552,
259.6862

■ 0.0000, 0.0000,
11.5958

■ 116.0429, 82.4726,
313.2662

■ 0.0000, 0.0000,
6.3499

■ 146.4480,

■ 0.0000, 0.0000,

107.3716, 373.7515

2.9868

181.7482,
136.8366, 441.5607

■ 0.0000, 0.0000,
1.0879

■ 0.0000, 0.0000,
0.0000

■ 15.9476, 7.4376,
80.7158

■ 15.9476, 7.4376,
80.7158

■ 15.9459, 7.4341,
80.7155

■ 17.1202, 9.2320,
81.0006

■ 19.1340, 12.0383,
81.4362

■ 22.1721, 16.0116,
82.0430

■ 26.3542, 21.2664,
82.8368

■ 31.7825, 27.9031,
83.8317

■ 38.5479, 36.0118,
85.0403

■ 46.7325, 45.6748,
86.4741

■ 56.4117, 56.9683,
88.1438

■ 67.6558, 69.9635,
90.0595

Harmonies

Analogous

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



7.9375, 7.4376, 110.1574



15.9476, 7.4376, 80.7158



23.8680, 7.4376, 33.6906

Triad

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



15.9476, 7.4376, 80.7158



13.5871, 7.4376, 0.0000



0.6014, 7.4376, 10.7326

Complementary

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



15.9476, 7.4376, 80.7158



55.5950, 59.3438, 8.5260

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.



0.8826, 7.4376, 0.3746



15.9476, 7.4376, 80.7158



6.2667, 7.4376, 0.0000

Square

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



15.9476, 7.4376, 80.7158



22.0377, 7.4376, 0.0000



2.3070, 7.4376, 0.0000



1.1080, 7.4376, 45.5799

Rectangle

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



15.9476, 7.4376, 80.7158



26.4910, 7.4376, 12.1227



2.3070, 7.4376, 0.0000



0.6096, 7.4376, 5.0805

Sweetspot

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



15.9483, 7.4376, 80.7161



55.0307, 53.7555, 102.0832



40.4217, 64.6236, 63.4736



10.8604, 10.4254, 21.6898



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.



15.9483, 7.4376, 80.7161



18.8004, 8.7208, 95.3001



18.5145, 7.7797, 80.6468



14.4208, 14.9280, 19.0436



8.7662, 4.1793, 44.0876



0.7459, 0.4433, 3.4811

Inverse Universe

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



35.2597, 18.1394, 3.3927



41.6188, 21.4115, 3.9245



44.3891, 67.8399, 10.7566



15.1612, 15.0923, 16.1341



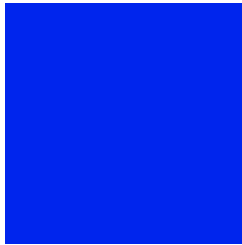
19.2801, 9.9147, 2.0102



1.5430, 0.7902, 0.3109

Previews

White Background



This preview shows how the XYZ color 15.9476, 7.4376, 80.7158 looks on a white background.

Color Contrast Check

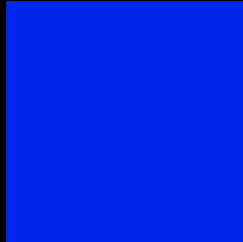
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.9476, 7.4376, 80.7158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

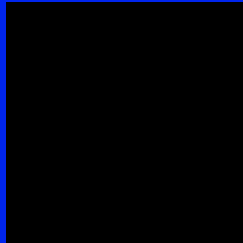
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.9476, 7.4376, 80.7158

Background



This preview shows how black text looks on a background with the XYZ color 15.9476, 7.4376, 80.7158.



This preview shows how white text looks on a background with the XYZ color 15.9476, 7.4376,

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

15.9476, 7.4376, 80.7158

Protanopia

8.4495, 7.2979, 32.4158

Tritanopia

5.0517, 7.2183, 10.5782

Trichromacy



Original Color

15.9476, 7.4376, 80.7158

Protanomaly

10.4257, 6.8403, 46.6697

Tritanomaly

7.0250, 6.1174, 26.7971

Monochromacy



Original Color

15.9476, 7.4376, 80.7158

Achromatopsia

2.9193, 3.0713, 3.3447

Achromatomaly

4.7143, 3.4524, 17.2475

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9476, 7.4376, 80.7158 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, 37, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 37, 237)  
}
```

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, 37, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 37, 237) }
```

Border

The CSS property to change the border of an element to XYZ 15.9476, 7.4376, 80.7158 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, 37, 237) }
```

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

```
.border{ border-color:rgb(0, 37, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 37, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 37, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 37, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 37, 237)  
}
```


Background

The CSS property to change the background color of an element to XYZ 15.9476, 7.4376, 80.7158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 37, 237) }
```

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

```
.background{ background-color: rgb(0, 37,  
237) }
```

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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