

Converting Colors

XYZ(4.2178, 3.6871, 75.8740)

Have a look what the booklet for
XYZ(4.2178, 3.6871, 75.8740)
contains.

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Color

**XYZ(16.5519, 10.0258,
76.6641)**

Conversions

Conversions Part 1

Format	Color
Hex	0045E7
RGB	0, 69, 231
RGB Percent	0%, 27%, 91%
CMY	0.9998, 0.7294, 0.0941
CMYK	1.00, 0.70, 0.00, 0.09
HSL	222°, 100%, 45%
HSV	222°, 100%, 91%
XYZ	16.5519, 10.0258, 76.6641
YIQ	66.8370, -93.1260, 35.7540

Conversions

Conversions Part 2

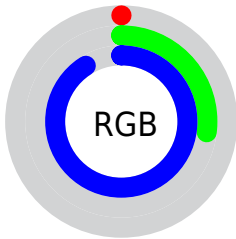
Format	Color
RYB	0, 53, 231
Decimal	17895
CIELab	37.89, 46.94, -85.01
CIELCh	38, 97.111, 298.903
Yxy	10.0258, 0.1603, 0.0971
Android (android.graphics.Color)	4278207975 (0xFF0045E7)
YUV	66.8370, 80.9324, -58.6160
Hunter-Lab	31.6635, 37.8984, -121.3891

Details

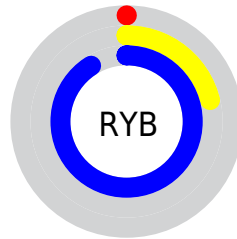
The XYZ color **16.5519, 10.0258, 76.6641** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **45.8861, 42.8504, 5.8541**, and the grayscale version is **5.1995, 5.4703, 5.9571**.

A 20% lighter version of the original color is **30.8417, 23.2576, 97.4714**, and **8.0094, 3.7948, 40.3547** is the 20% darker color. If you saturate the color by 10%, you get **16.5495, 10.0207, 76.6636**, and if you desaturate by 10%, it is **18.0453, 12.4825, 77.0599**.

Distribution



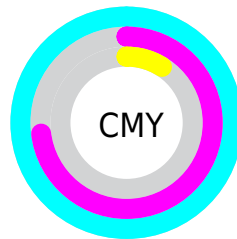
- Red (0%)
- Green (27%)
- Blue (91%)



- Red (0%)
- Yellow (21%)
- Blue (91%)



- Cyan (100%)
- Magenta (70%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (73%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5519, 10.0258, 76.6641 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 16.5519, 10.0258, 76.6641 by changing the saturation by 10% instead.

■ 16.5519, 10.0258,
76.6641

■ 16.5519, 10.0258,
76.6641

225.7836,
190.8561, 503.0252

■ 10.0088, 5.4161,
56.4673

■ 37.1035, 25.8440,
130.4339

■ 5.4671, 2.4934,
40.1712

■ 51.8427, 37.8213,
164.8440

■ 2.5614, 0.8733,
27.3573

■ 70.0447, 53.0232,
204.8289

■ 0.9263, 0.0000,
17.6069

■ 92.0748, 71.8341,
250.8072

■ 0.0000, 0.0000,
10.5016

■ 118.2984, 94.6385,
303.1975

■ 0.0000, 0.0000,
5.6229

149.0808,

■ 0.0000, 0.0000,

121.8207, 362.4182

2.5521

184.7875,
153.7651, 428.8879

■ 0.0000, 0.0000,
0.8676

■ 0.0000, 0.0000,
0.0000

■ 16.5519, 10.0258,
76.6641

■ 16.5519, 10.0258,
76.6641

■ 16.5495, 10.0207,
76.6636

■ 18.0453, 12.4825,
77.0599

■ 20.2554, 15.7429,
77.5727

■ 23.3362, 19.9132,
78.2153

■ 27.3828, 25.0675,
78.9969

■ 32.4769, 31.2710,
79.9258

■ 38.6909, 38.5827,
81.0096

■ 46.0904, 47.0567,
82.2553

■ 54.7356, 56.7435,
83.6694

■ 64.6827, 67.6904,
85.2581

Harmonies

Analogous

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



9.3023, 10.0258, 93.3610



16.5519, 10.0258, 76.6641



23.8648, 10.0258, 39.8566

Triad

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



16.5519, 10.0258, 76.6641



17.1312, 10.0258, 0.0000



1.8785, 10.0258, 10.2742

Complementary

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



16.5519, 10.0258, 76.6641



45.8861, 42.8504, 5.8541

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.



2.5215, 10.0258, 1.0637



16.5519, 10.0258, 76.6641



9.7599, 10.0258, 0.0000

Square

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



16.5519, 10.0258, 76.6641



24.2892, 10.0258, 1.3226



4.8412, 10.0258, 0.0000



2.4284, 10.0258, 37.2257

Rectangle

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



16.5519, 10.0258, 76.6641



26.7275, 10.0258, 18.9187



4.8412, 10.0258, 0.0000



1.9545, 10.0258, 5.5647

Sweetspot

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



16.5526, 10.0259, 76.6644



57.4903, 58.6748, 102.9030



35.0732, 59.7510, 43.7353



11.4279, 11.5603, 21.8790



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.



16.5526, 10.0259, 76.6644



20.6429, 12.4059, 95.9143



15.5623, 6.3573, 76.0085



13.9318, 14.5850, 18.2252



9.3724, 5.8069, 43.0100



0.7716, 0.5870, 3.2046

Inverse Universe

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



34.0299, 17.4199, 7.1987



42.5488, 21.7835, 8.8220



48.5385, 67.4431, 10.4612



14.5532, 14.4385, 15.8473



19.1243, 9.7839, 4.2833



1.4531, 0.7389, 0.5264

Previews

White Background



This preview shows how the XYZ color 16.5519, 10.0258, 76.6641 looks on a white background.

Color Contrast Check

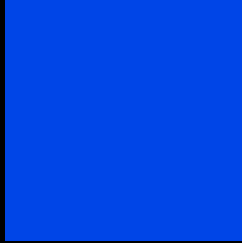
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 16.5519, 10.0258, 76.6641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

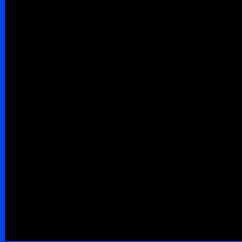
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.5519, 10.0258, 76.6641

Background



This preview shows how black text looks on a background with the XYZ color 16.5519, 10.0258, 76.6641.



This preview shows how white text looks on a background with the XYZ color 16.5519, 10.0258,

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

16.5519, 10.0258, 76.6641

Protanopia

11.5660, 9.9509, 44.4911

Deuteranopia

9.5738, 9.8153, 31.9618



Tritanopia

6.9605, 9.9232, 14.6452

Trichromacy



Original Color

16.5519, 10.0258, 76.6641

Protanomaly

13.1775, 9.8608, 55.2416

Deuteranomaly

11.5368, 9.5639, 45.4939

Tritanomaly

8.9947, 9.1815, 30.1523

Monochromacy



Original Color

16.5519, 10.0258, 76.6641

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

6.8941, 6.1801, 20.9082

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5519, 10.0258, 76.6641 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, 69, 231)` looks like.

```
.text, #text, p{  
    color:rgb(0, 69, 231)  
}
```

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, 69, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 69, 231) }
```

Border

The CSS property to change the border of an element to XYZ 16.5519, 10.0258, 76.6641 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, 69, 231) }
```


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

```
.border{ border-color:rgb(0, 69, 231) }
```

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

Here you see how a box with a 4 pixel rgb(0, 69, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 69, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 69, 231);  
box-shadow:4px 4px 4px 4px rgb(0, 69, 231)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.5519, 10.0258, 76.6641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 69, 231) }
```

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

```
.background{ background-color: rgb(0, 69,  
231) }
```

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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