

Converting Colors

XYZ(10.6937, 11.2510, 77.1548)

Have a look what the booklet for
XYZ(10.6937, 11.2510, 77.1548)
contains.

XYZ(19.3741, 15.6702, 77.6048)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.3741, 15.6702,
77.6048)**

Conversions

Conversions Part 1

Format	Color
Hex	0068E7
RGB	0, 104, 231
RGB Percent	0%, 41%, 91%
CMY	0.9998, 0.5922, 0.0941
CMYK	1.00, 0.55, 0.00, 0.09
HSL	213°, 100%, 45%
HSV	213°, 100%, 91%
XYZ	19.3741, 15.6702, 77.6048
YIQ	87.3820, -102.7510, 17.4490

Conversions

Conversions Part 2

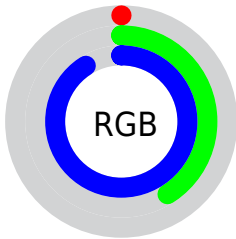
Format	Color
RYB	0, 72, 231
Decimal	26855
CIELab	46.54, 24.70, -70.83
CIELCh	47, 75.008, 289.223
Yxy	15.6702, 0.1720, 0.1391
Android (android.graphics.Color)	4278216935 (0xFF0068E7)
YUV	87.3820, 70.8037, -76.6340
Hunter-Lab	39.5856, 18.0872, -88.5240

Details

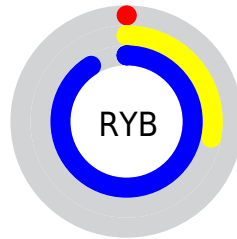
The XYZ color **19.3741, 15.6702, 77.6048** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **40.5522, 32.1827, 4.0762**, and the grayscale version is **9.0132, 9.4826, 10.3266**.

A 20% lighter version of the original color is **35.6690, 33.4570, 99.1856**, and **9.2039, 6.1839, 40.7529** is the 20% darker color. If you saturate the color by 10%, you get **19.3711, 15.6639, 77.6042**, and if you desaturate by 10%, it is **21.1076, 18.6071, 78.0807**.

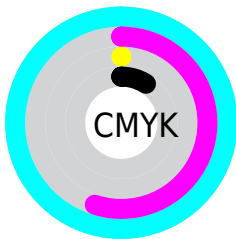
Distribution



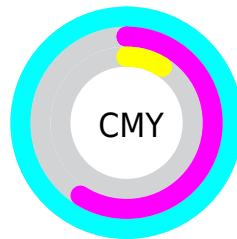
- Red (0%)
- Green (41%)
- Blue (91%)



- Red (0%)
- Yellow (28%)
- Blue (91%)



- Cyan (100%)
- Magenta (55%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (59%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.3741, 15.6702, 77.6048 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 19.3741, 15.6702, 77.6048 by changing the saturation by 10% instead.

■ 19.3741, 15.6702,
77.6048

■ 19.3741, 15.6702,
77.6048

241.4050,
227.3877, 506.3160

■ 12.0465, 9.2911,
57.2349

■ 41.8773, 36.0247,
131.7737

■ 6.8478, 4.9315,
40.7832

■ 57.7836, 50.7689,
166.4097

■ 3.4126, 2.2071,
27.8313

■ 77.2802, 69.0702,
206.6381

■ 1.3755, 0.7239,
17.9606

■ 100.7325, 91.3130,
252.8776

■ 0.2387, 0.0000,
10.7526

■ 128.5057,
117.8818, 305.5465

■ 0.0000, 0.0000,
5.7886

160.9653,

■ 0.0000, 0.0000,

149.1609, 365.0636

2.6503

198.4766,
185.5348, 431.8472

■ 0.0000, 0.0000,
0.9182

■ 0.0000, 0.0000,
0.0000

■ 19.3741, 15.6702,
77.6048

■ 19.3741, 15.6702,
77.6048

■ 19.3711, 15.6639,
77.6042

■ 21.1076, 18.6071,
78.0807

■ 23.4661, 22.1642,
78.6430

■ 26.5928, 26.4265,
79.3009

■ 30.5735, 31.4489,
80.0605

■ 35.4810, 37.2791,
80.9272

■ 41.3797, 43.9601,
81.9059

■ 48.3277, 51.5311,
83.0011

■ 56.3783, 60.0286,
84.2169

■ 65.5810, 69.4867,
85.5575

Harmonies

Analogous

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



12.6881, 15.6702, 81.3908



19.3741, 15.6702, 77.6048



26.4323, 15.6702, 52.4841

Triad

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



19.3741, 15.6702, 77.6048



24.5794, 15.6702, 1.8081



5.7147, 15.6702, 11.2326

Complementary

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



19.3741, 15.6702, 77.6048



40.5522, 32.1827, 4.0762

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.



7.3235, 15.6702, 2.7721



19.3741, 15.6702, 77.6048



17.3419, 15.6702, 0.4582

Square

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



19.3741, 15.6702, 77.6048



29.9887, 15.6702, 7.8187



11.1641, 15.6702, 0.6581



5.9686, 15.6702, 31.6760

Rectangle

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



19.3741, 15.6702, 77.6048



29.8052, 15.6702, 33.0666



11.1641, 15.6702, 0.6581



6.0315, 15.6702, 7.2916

Sweetspot

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



19.3749, 15.6706, 77.6053



60.3020, 64.2981, 103.8403



32.1661, 58.5882, 28.4267



12.0853, 12.8750, 22.0981



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.



19.3749, 15.6706, 77.6053



24.1546, 19.4292, 97.0849



14.5216, 5.8208, 75.9599



14.1143, 14.9500, 18.2861



10.9798, 9.0216, 43.5458



0.9030, 0.8500, 3.2484

Inverse Universe

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



35.4545, 17.9897, 14.7004



44.3213, 22.4925, 18.1560



59.1011, 72.8883, 10.9555



14.6453, 14.4753, 16.3325



19.9356, 10.1085, 8.5557



1.5194, 0.7655, 0.8759

Previews

White Background



This preview shows how the XYZ color 19.3741, 15.6702, 77.6048 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 19.3741, 15.6702, 77.6048 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

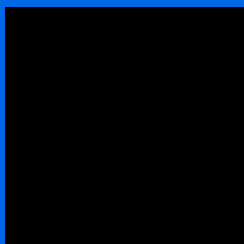
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

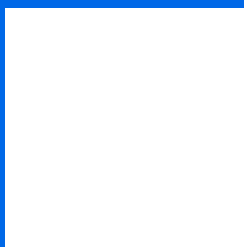
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.3741, 15.6702, 77.6048

Background



This preview shows how black text looks on a background with the XYZ color 19.3741, 15.6702, 77.6048.



This preview shows how white text looks on a background with the XYZ color 19.3741, 15.6702,

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

19.3741, 15.6702, 77.6048

Protanopia

18.7446, 15.7443, 73.2852

Deuteranopia

15.5308, 15.6605, 52.6563



Tritanopia

10.9220, 15.5040, 23.1858

Trichromacy



Original Color

19.3741, 15.6702, 77.6048

Protanomaly

18.9167, 15.6492, 74.6966

Deuteranomaly

16.8384, 15.6569, 61.1661

Tritanomaly

13.0137, 15.0146, 38.2886

Monochromacy



Original Color

19.3741, 15.6702, 77.6048

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

10.1501, 10.5050, 25.9188

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3741, 15.6702, 77.6048 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, 104, 231)` looks like.

```
.text, #text, p{  
    color:rgb(0, 104, 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, 104, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 104, 231) }
```

Border

The CSS property to change the border of an element to XYZ 19.3741, 15.6702, 77.6048 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, 104, 231) }
```


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

```
.border{ border-color:rgb(0, 104, 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, 104, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 104, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 104, 231);  
box-shadow:4px 4px 4px 4px rgb(0, 104,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 19.3741, 15.6702, 77.6048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 104, 231) }
```

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

```
.background{ background-color: rgb(0, 104,  
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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