

Converting Colors

XYZ(10.2346, 11.1290, 77.2078)

Have a look what the booklet for
XYZ(10.2346, 11.1290, 77.2078)
contains.

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Color

**XYZ(19.4754, 15.8727,
77.6386)**

Conversions

Conversions Part 1

Format	Color
Hex	0069E7
RGB	0, 105, 231
RGB Percent	0%, 41%, 91%
CMY	0.9998, 0.5882, 0.0941
CMYK	1.00, 0.55, 0.00, 0.09
HSL	213°, 100%, 45%
HSV	213°, 100%, 91%
XYZ	19.4754, 15.8727, 77.6386
YIQ	87.9690, -103.0260, 16.9260

Conversions

Conversions Part 2

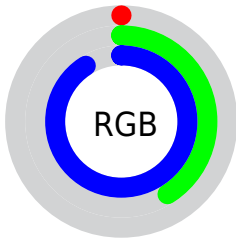
Format	Color
RYB	0, 72, 231
Decimal	27111
CIELab	46.81, 24.05, -70.39
CIELCh	47, 74.385, 288.865
Yxy	15.8727, 0.1724, 0.1405
Android (android.graphics.Color)	4278217191 (0xFF0069E7)
YUV	87.9690, 70.5143, -77.1488
Hunter-Lab	39.8406, 17.5358, -87.6520

Details

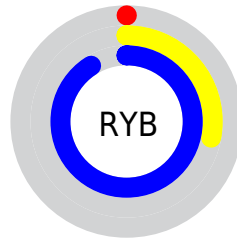
The XYZ color **19.4754, 15.8727, 77.6386** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **40.4243, 31.9267, 4.0336**, and the grayscale version is **9.1406, 9.6166, 10.4725**.

A 20% lighter version of the original color is **35.8347, 33.7885, 99.2409**, and **9.2039, 6.1839, 40.7529** is the 20% darker color. If you saturate the color by 10%, you get **19.4720, 15.8659, 77.6379**, and if you desaturate by 10%, it is **21.2128, 18.8173, 78.1158**.

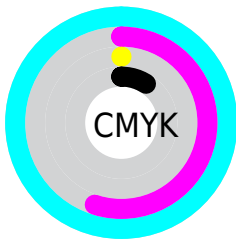
Distribution



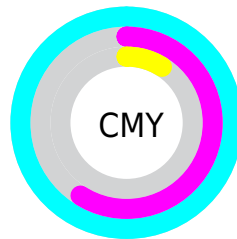
- Red (0%)
- Green (41%)
- Blue (91%)



- 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 19.4754, 15.8727, 77.6386 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 19.4754, 15.8727, 77.6386 by changing the saturation by 10% instead.

■ 19.4754, 15.8727,
77.6386

■ 19.4754, 15.8727,
77.6386

241.9489,
228.5894, 506.4340

■ 12.1203, 9.4341,
57.2625

■ 42.0466, 36.3771,
131.8218

■ 6.8985, 5.0254,
40.8052

■ 57.9934, 51.2116,
166.4659

■ 3.4444, 2.2622,
27.8484

■ 77.5348, 69.6137,
206.7031

■ 1.3929, 0.7536,
17.9733

■ 101.0363, 91.9675,
252.9519

■ 0.2512, 0.0000,
10.7616

■ 128.8630,
118.6576, 305.6308

■ 0.0000, 0.0000,
5.7946

161.3805,

■ 0.0000, 0.0000,

150.0684, 365.1584

2.6538

198.9540,
186.5842, 431.9533

■ 0.0000, 0.0000,
0.9201

■ 0.0000, 0.0000,
0.0000

■ 19.4754, 15.8727,
77.6386

■ 19.4754, 15.8727,
77.6386

■ 19.4720, 15.8659,
77.6379

■ 21.2128, 18.8173,
78.1158

■ 23.5726, 22.3768,
78.6785

■ 26.6978, 26.6360,
79.3359

■ 30.6741, 31.6493,
80.0940

■ 35.5740, 37.4641,
80.9581

■ 41.4617, 44.1230,
81.9331

■ 48.3953, 51.6650,
83.0234

■ 56.4279, 60.1261,
84.2332

■ 65.6088, 69.5404,
85.5664

Harmonies

Analogous

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



12.8101, 15.8727, 81.0715



19.4754, 15.8727, 77.6386



26.5248, 15.8727, 52.8933

Triad

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



19.4754, 15.8727, 77.6386



24.8350, 15.8727, 1.9430



5.8787, 15.8727, 11.2768

Complementary

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



19.4754, 15.8727, 77.6386



40.4243, 31.9267, 4.0336

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.



7.5249, 15.8727, 2.8461



19.4754, 15.8727, 77.6386



17.6178, 15.8727, 0.5395

Square

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



19.4754, 15.8727, 77.6386



30.1793, 15.8727, 8.1351



11.4121, 15.8727, 0.7210



6.1132, 15.8727, 31.5458

Rectangle

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



19.4754, 15.8727, 77.6386



29.9126, 15.8727, 33.5674



11.4121, 15.8727, 0.7210



6.2060, 15.8727, 7.3591

Sweetspot

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



19.4762, 15.8731, 77.6391



60.3851, 64.4644, 103.8680



32.1664, 58.5884, 28.4275



12.1048, 12.9141, 22.1046



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.



19.4762, 15.8731, 77.6391



24.2806, 19.6812, 97.1269



14.5217, 5.8210, 75.9599



14.1196, 14.9605, 18.2878



11.0368, 9.1357, 43.5648



0.9074, 0.8588, 3.2499

Inverse Universe

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



35.5057, 18.0103, 14.9695



44.3849, 22.5180, 18.4910



59.1012, 72.8884, 10.9557



14.6479, 14.4764, 16.3464



19.9644, 10.1200, 8.7074



1.5216, 0.7664, 0.8875

Previews

White Background



This preview shows how the XYZ color 19.4754, 15.8727, 77.6386 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 19.4754, 15.8727, 77.6386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

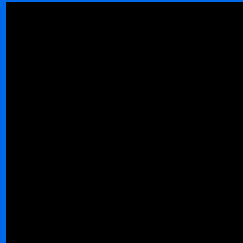
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

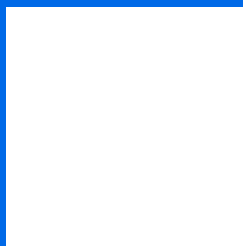
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.4754, 15.8727, 77.6386

Background



This preview shows how black text looks on a background with the XYZ color 19.4754, 15.8727, 77.6386.



This preview shows how white text looks on a background with the XYZ color 19.4754, 15.8727,

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

19.4754, 15.8727, 77.6386

Protanopia

18.8815, 15.7991, 74.0059

Deuteranopia

15.7555, 15.7504, 53.8395



Tritanopia

11.1122, 15.7776, 23.5788

Trichromacy



Original Color

19.4754, 15.8727, 77.6386

Protanomaly

19.1576, 15.9095, 75.4599

Deuteranomaly

16.9611, 15.7059, 61.8121

Tritanomaly

13.2204, 15.2808, 38.8119

Monochromacy



Original Color

19.4754, 15.8727, 77.6386

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

10.3672, 10.7396, 26.3375

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4754, 15.8727, 77.6386 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, 105, 231)` looks like.

```
.text, #text, p{  
    color:rgb(0, 105, 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, 105, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 105, 231) }
```

Border

The CSS property to change the border of an element to XYZ 19.4754, 15.8727, 77.6386 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, 105, 231) }
```


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

```
.border{ border-color:rgb(0, 105, 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, 105, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 105, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 105, 231);  
box-shadow:4px 4px 4px 4px rgb(0, 105,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4754, 15.8727, 77.6386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 105, 231) }
```

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

```
.background{ background-color: rgb(0, 105,  
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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