

Converting Colors

XYZ(16.1135, 13.4305, 75.8034)

Have a look what the booklet for
XYZ(16.1135, 13.4305, 75.8034)
contains.

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Color

**XYZ(18.7000, 14.7715,
75.9943)**

Conversions

Conversions Part 1

Format	Color
Hex	0064E5
RGB	0, 100, 229
RGB Percent	0%, 39%, 90%
CMY	0.9998, 0.6078, 0.1020
CMYK	1.00, 0.56, 0.00, 0.10
HSL	214°, 100%, 45%
HSV	214°, 100%, 90%
XYZ	18.7000, 14.7715, 75.9943
YIQ	84.8060, -101.0090, 18.9190

Conversions

Conversions Part 2

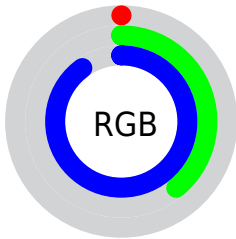
Format	Color
RYB	0, 70, 229
Decimal	25829
CIELab	45.32, 26.50, -71.68
CIELCh	45, 76.424, 290.287
Yxy	14.7715, 0.1708, 0.1349
Android (android.graphics.Color)	4278215909 (0xFF0064E5)
YUV	84.8060, 71.0876, -74.3749
Hunter-Lab	38.4337, 19.5905, -90.3295

Details

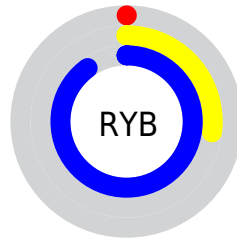
The XYZ color **18.7000, 14.7715, 75.9943** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **40.1714, 32.3738, 4.1331**, and the grayscale version is **8.4695, 8.9105, 9.7036**.

A 20% lighter version of the original color is **34.9002, 32.0969, 98.9636**, and **8.8126, 5.7109, 39.6676** is the 20% darker color. If you saturate the color by 10%, you get **18.6970, 14.7654, 75.9937**, and if you desaturate by 10%, it is **20.3896, 17.6274, 76.4569**.

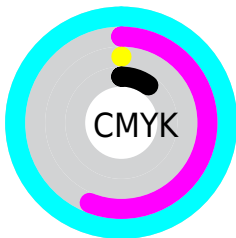
Distribution



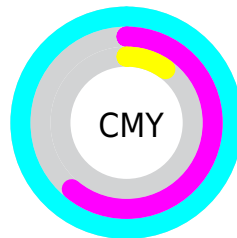
- Red (0%)
- Green (39%)
- Blue (90%)



- Red (0%)
- Yellow (27%)
- Blue (90%)



- Cyan (100%)
- Magenta (56%)
- Yellow (0%)
- Black (10%)



- Cyan (100%)
- Magenta (61%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7000, 14.7715, 75.9943 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 18.7000, 14.7715, 75.9943 by changing the saturation by 10% instead.

■ 18.7000, 14.7715,
75.9943

■ 18.7000, 14.7715,
75.9943

237.7576,
221.9790, 500.6745

■ 11.5564, 8.6592,
55.9212

■ 40.7474, 34.4518,
129.4789

■ 6.5124, 4.5196,
39.7362

■ 56.3818, 48.7886,
163.7274

■ 3.2027, 1.9682,
27.0207

■ 75.5774, 66.6357,
203.5382

■ 1.2618, 0.5889,
17.3562

■ 98.6992, 88.3774,
249.3297

■ 0.1544, 0.0000,
10.3241

■ 126.1128,
114.3982, 301.5206

■ 0.0000, 0.0000,
5.5060

158.1835,

■ 0.0000, 0.0000,

145.0825, 360.5293

2.4832

195.2767,
180.8146, 426.7745

■ 0.0000, 0.0000,
0.8312

■ 0.0000, 0.0000,
0.0000

■ 18.7000, 14.7715,
75.9943

■ 18.7000, 14.7715,
75.9943

■ 18.6970, 14.7654,
75.9937

■ 20.3896, 17.6274,
76.4569

■ 22.6993, 21.1069,
77.0068

■ 25.7706, 25.2947,
77.6532

■ 29.6878, 30.2458,
78.4024

■ 34.5230, 36.0080,
79.2598

■ 40.3396, 42.6244,
80.2303

■ 47.1950, 50.1344,
81.3186

■ 55.1418, 58.5746,
82.5289

■ 64.2290, 67.9793,
83.8652

Harmonies

Analogous

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



12.0838, 14.7715, 80.7756



18.7000, 14.7715, 75.9943



25.6468, 14.7715, 50.2472

Triad

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



18.7000, 14.7715, 75.9943



23.3476, 14.7715, 1.4071



5.1319, 14.7715, 10.8876

Complementary

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



18.7000, 14.7715, 75.9943



40.1714, 32.3738, 4.1331

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.



6.6006, 14.7715, 2.5064



18.7000, 14.7715, 75.9943



16.1965, 14.7715, 0.1964

Square

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



18.7000, 14.7715, 75.9943



28.8413, 14.7715, 6.7681



10.2264, 14.7715, 0.4512



5.4346, 14.7715, 31.4612

Rectangle

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



18.7000, 14.7715, 75.9943



28.9088, 14.7715, 30.9505



10.2264, 14.7715, 0.4512



5.4125, 14.7715, 6.9541

Sweetspot

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



18.7008, 14.7718, 75.9947



60.0424, 63.7789, 103.7537



31.7845, 57.5450, 29.1625



12.0242, 12.7529, 22.0778



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.



18.7008, 14.7718, 75.9947



23.7692, 18.6584, 96.9564



14.2883, 5.7330, 74.4826



14.0979, 14.9171, 18.2806



10.8051, 8.6722, 43.4876



0.8895, 0.8230, 3.2439

Inverse Universe

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



34.6141, 17.5794, 13.6253



44.1268, 22.4147, 17.1316



56.7998, 70.8757, 10.6883



14.6370, 14.4720, 16.2887



19.8474, 10.0732, 8.0914



1.5126, 0.7628, 0.8400

Previews

White Background



This preview shows how the XYZ color 18.7000, 14.7715, 75.9943 looks on a white background.

Color Contrast Check

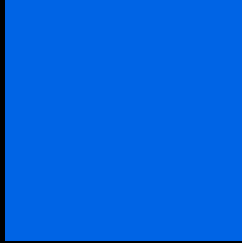
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.7000, 14.7715, 75.9943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

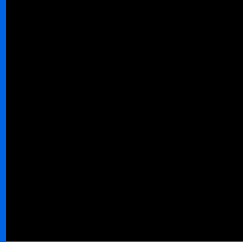
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

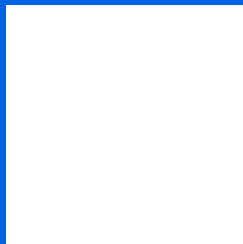
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.7000, 14.7715, 75.9943

Background



This preview shows how black text looks on a background with the XYZ color 18.7000, 14.7715, 75.9943.



This preview shows how white text looks on a background with the XYZ color 18.7000, 14.7715,

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

18.7000, 14.7715, 75.9943

Deuteranopia

14.6530, 14.7827, 49.6580

Tritanopia

10.3627, 14.7000, 22.0299

Trichromacy



Original Color

18.7000, 14.7715, 75.9943

Deuteranomaly

15.9335, 14.6199, 58.4820

Tritanomaly

12.4050, 14.2327, 36.7437

Monochromacy



Original Color

18.7000, 14.7715, 75.9943

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

9.6928, 9.9027, 25.0675

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7000, 14.7715, 75.9943 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, 100, 229)` looks like.

```
.text, #text, p{  
    color:rgb(0, 100, 229)  
}
```

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, 100, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 100, 229) }
```

Border

The CSS property to change the border of an element to XYZ 18.7000, 14.7715, 75.9943 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, 100, 229) }
```

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

```
.border{ border-color:rgb(0, 100, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 100, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 100, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 100, 229);  
box-shadow:4px 4px 4px 4px rgb(0, 100,  
229) }
```


Background

The CSS property to change the background color of an element to XYZ 18.7000, 14.7715, 75.9943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 100, 229) }
```

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

```
.background{ background-color: rgb(0, 100,  
229) }
```

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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