

Converting Colors

XYZ(19.1370, 14.5071, 78.8832)

Have a look what the booklet for
XYZ(19.1370, 14.5071, 78.8832)
contains.

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Color

**XYZ(19.1343, 14.5107,
78.8832)**

Conversions

Conversions Part 1

Format	Color
Hex	0C61E9
RGB	12, 97, 233
RGB Percent	5%, 38%, 91%
CMY	0.9527, 0.6196, 0.0863
CMYK	0.95, 0.58, 0.00, 0.09
HSL	217°, 90%, 48%
HSV	217°, 95%, 91%
XYZ	19.1343, 14.5107, 78.8832
YIQ	87.0890, -94.3160, 24.2760

Conversions

Conversions Part 2

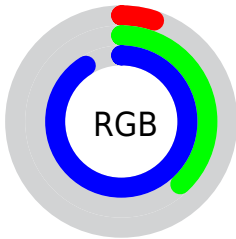
Format	Color
R_YB	12, 73, 233
Decimal	811497
CIE Lab	44.96, 30.30, -74.53
CIE LCh	45, 80.452, 292.122
Yxy	14.5107, 0.1700, 0.1290
Android (android.graphics.Color)	4279001577 (0xFF0C61E9)
YUV	87.0890, 71.9341, -65.8531
Hunter-Lab	38.0929, 22.9990, -96.1133

Details

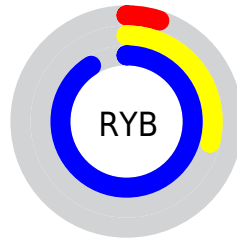
The XYZ color **19.1343, 14.5107, 78.8832** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **44.2703, 38.5487, 5.4570**, and the grayscale version is **8.9468, 9.4127, 10.2504**.

A 20% lighter version of the original color is **34.9141, 31.4024, 98.8288**, and **9.0645, 5.5906, 41.6756** is the 20% darker color. If you saturate the color by 10%, you get **18.3287, 13.1244, 78.6585**, and if you desaturate by 10%, it is **21.1352, 17.6904, 79.3919**.

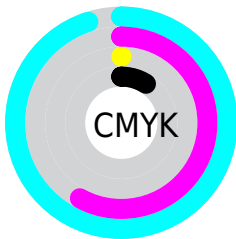
Distribution



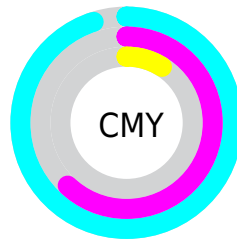
- Red (5%)
- Green (38%)
- Blue (91%)



- Red (5%)
- Yellow (29%)
- Blue (91%)



- Cyan (95%)
- Magenta (58%)
- Yellow (0%)
- Black (9%)



- Cyan (95%)
- Magenta (62%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1343, 14.5107, 78.8832 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 19.1343, 14.5107, 78.8832 by changing the saturation by 10% instead.

■ 19.1343, 14.5107,
78.8832

■ 19.1343, 14.5107,
78.8832

240.1131,
220.3852, 510.7683

■ 11.8719, 8.4767,
58.2790

■ 41.4760, 33.9925,
133.5916

■ 6.7281, 4.4015,
41.6168

■ 57.2861, 48.2091,
168.5329

■ 3.3375, 1.9006,
28.4781

■ 76.6762, 65.9220,
209.0903

■ 1.3346, 0.5487,
18.4442

■ 100.0115, 87.5156,
255.6824

■ 0.2089, 0.0000,
11.0966

■ 127.6575,
113.3743, 308.7277

■ 0.0000, 0.0000,
6.0169

159.9795,

■ 0.0000, 0.0000,

143.8826, 368.6448

2.7864

197.3429,
179.4247, 435.8521

■ 0.0000, 0.0000,
0.9866

■ 0.0000, 0.0000,
0.0000

■ 19.1343, 14.5107,
78.8832

■ 19.1343, 14.5107,
78.8832

■ 18.3287, 13.1244,
78.6585

■ 21.1352, 17.6904,
79.3919

■ 23.9119, 21.6436,
80.0086

■ 27.5660, 26.4390,
80.7416

■ 32.1806, 32.1351,
81.5979

■ 37.8285, 38.7842,
82.5836

■ 44.5748, 46.4338,
83.7045

■ 52.4789, 55.1278,
84.9661

■ 61.5957, 64.9073,
86.3732

■ 71.9764, 75.8110,
87.9307

Harmonies

Analogous

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



12.1274, 14.5107, 85.8831



19.1343, 14.5107, 78.8832



26.4038, 14.5107, 50.1881

Triad

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



19.1343, 14.5107, 78.8832



23.1247, 14.5107, 0.9795



4.6639, 14.5107, 11.3301

Complementary

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



19.1343, 14.5107, 78.8832



44.2703, 38.5487, 5.4570

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.



6.0141, 14.5107, 2.3522



19.1343, 14.5107, 78.8832



15.6024, 14.5107, 0.0000

Square

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



19.1343, 14.5107, 78.8832



29.1726, 14.5107, 5.6962



9.5500, 14.5107, 0.2085



5.0698, 14.5107, 33.7810

Rectangle

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



19.1343, 14.5107, 78.8832



29.7045, 14.5107, 29.7611



9.5500, 14.5107, 0.2085



4.9069, 14.5107, 7.0735

Sweetspot

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



19.1351, 14.5110, 78.8836



61.0281, 63.9743, 103.7395



34.3733, 60.3895, 36.4807



12.1689, 12.7088, 22.0616



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.



19.1351, 14.5110, 78.8836



22.4209, 15.9619, 96.5070



15.5049, 6.4902, 77.5268



14.7060, 15.4984, 19.1386



10.5111, 7.6693, 44.6693



0.9160, 0.7834, 3.5378

Inverse Universe

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



35.8943, 18.4511, 12.9786



43.4462, 22.1425, 13.5479



56.0429, 72.1399, 11.3203



15.3051, 15.1499, 16.8921



20.1608, 10.2670, 6.6483



1.6288, 0.8245, 0.7629

Previews

White Background



This preview shows how the XYZ color 19.1343, 14.5107, 78.8832 looks on a white background.

Color Contrast Check

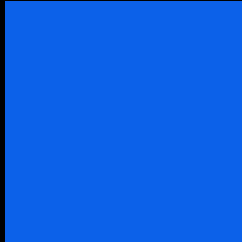
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.1343, 14.5107, 78.8832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

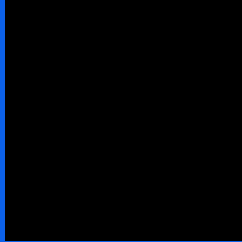
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

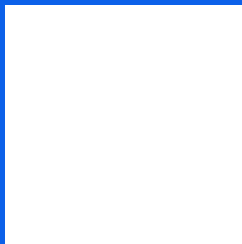
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.1343, 14.5107, 78.8832

Background



This preview shows how black text looks on a background with the XYZ color 19.1343, 14.5107, 78.8832.



This preview shows how white text looks on a background with the XYZ color 19.1343, 14.5107,

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

19.1343, 14.5107, 78.8832

Protanopia

17.1460, 14.4606, 66.8532

Deuteranopia

14.1195, 14.2279, 47.9010



Tritanopia

9.9994, 14.1778, 21.2784

Trichromacy



Original Color

19.1343, 14.5107, 78.8832

Protanomaly

17.7921, 14.4141, 70.9517

Deuteranomaly

15.6611, 14.1907, 57.7908

Tritanomaly

12.3268, 13.8580, 37.1471

Monochromacy



Original Color

19.1343, 14.5107, 78.8832

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

10.3382, 10.3363, 26.2612

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1343, 14.5107, 78.8832 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(12, 97, 233)` looks like.

```
.text, #text, p{  
    color:rgb(12, 97, 233)  
}
```

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(12, 97, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 97, 233) }
```

Border

The CSS property to change the border of an element to XYZ 19.1343, 14.5107, 78.8832 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(12, 97, 233) }
```


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

```
.border{ border-color:rgb(12, 97, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 97, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 97, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 97, 233);  
box-shadow:4px 4px 4px 4px rgb(12, 97,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1343, 14.5107, 78.8832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 97, 233) }
```

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

```
.background{ background-color: rgb(12, 97,  
233) }
```

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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