

Converting Colors

XYZ(20.1082, 17.1384, 77.8495)

Have a look what the booklet for
XYZ(20.1082, 17.1384, 77.8495)
contains.

XYZ(20.1082, 17.1384, 77.8495)	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(20.1082, 17.1384,
77.8495)**

Conversions

Conversions Part 1

Format	Color
Hex	006FE7
RGB	0, 111, 231
RGB Percent	0%, 44%, 91%
CMY	0.9998, 0.5647, 0.0941
CMYK	1.00, 0.52, 0.00, 0.09
HSL	211°, 100%, 45%
HSV	211°, 100%, 91%
XYZ	20.1082, 17.1384, 77.8495
YIQ	91.4910, -104.6760, 13.7880

Conversions

Conversions Part 2

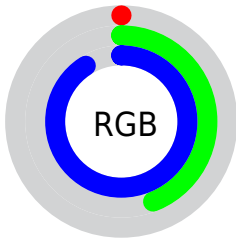
Format	Color
R _{YB}	0, 75, 231
Decimal	28647
CIE Lab	48.43, 20.20, -67.75
CIE LCh	48, 70.693, 286.602
Yxy	17.1384, 0.1747, 0.1489
Android (android.graphics.Color)	4278218727 (0xFF006FE7)
YUV	91.4910, 68.7779, -80.2376
Hunter-Lab	41.3986, 14.2540, -82.5152

Details

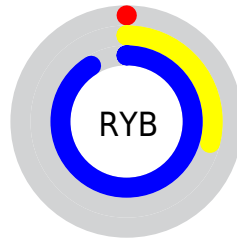
The XYZ color **20.1082, 17.1384, 77.8495** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **39.6788, 30.4358, 3.7850**, and the grayscale version is **9.9250, 10.4419, 11.3712**.

A 20% lighter version of the original color is **36.9142, 36.1248, 99.6349**, and **9.5303, 6.8366, 40.8617** is the 20% darker color. If you saturate the color by 10%, you get **20.1051, 17.1320, 77.8489**, and if you desaturate by 10%, it is **21.8642, 20.1203, 78.3330**.

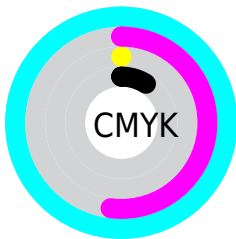
Distribution



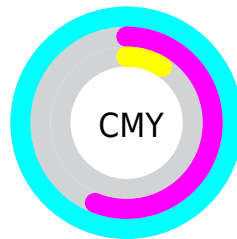
- Red (0%)
- Green (44%)
- Blue (91%)



- Red (0%)
- Yellow (29%)
- Blue (91%)



- Cyan (100%)
- Magenta (52%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (56%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1082, 17.1384, 77.8495 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 20.1082, 17.1384, 77.8495 by changing the saturation by 10% instead.

■ 20.1082, 17.1384,
77.8495

■ 20.1082, 17.1384,
77.8495

245.3227,
235.9687, 507.1699

■ 12.5824, 10.3332,
57.4346

■ 43.1011, 38.5636,
132.1219

■ 7.2167, 5.6204,
40.9426

■ 59.2989, 53.9524,
166.8165

■ 3.6455, 2.6157,
27.9549

■ 79.1181, 72.9711,
207.1081

■ 1.5036, 0.9346,
18.0529

■ 102.9241, 96.0043,
253.4152

■ 0.3283, 0.0000,
10.8181

■ 131.0822,
123.4362, 306.1564

■ 0.0000, 0.0000,
5.8321

163.9577,

■ 0.0000, 0.0000,

155.6514, 365.7503

2.6761

201.9161,
193.0340, 432.6152

■ 0.0000, 0.0000,
0.9314

■ 0.0000, 0.0000,
0.0000

■ 20.1082, 17.1384,
77.8495

■ 20.1082, 17.1384,
77.8495

■ 20.1051, 17.1320,
77.8489

■ 21.8642, 20.1203,
78.3330

■ 24.2270, 23.6860,
78.8967

■ 27.3387, 27.9181,
79.5496

■ 31.2835, 32.8689,
80.2972

■ 36.1334, 38.5838,
81.1447

■ 41.9514, 45.1035,
82.0965

■ 48.7947, 52.4652,
83.1568

■ 56.7157, 60.7034,
84.3294

■ 65.7629, 69.8504,
85.6181

Harmonies

Analogous

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



13.5739, 17.1384, 79.1928



20.1082, 17.1384, 77.8495



27.1020, 17.1384, 55.3973

Triad

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



20.1082, 17.1384, 77.8495



26.4175, 17.1384, 2.9001



6.9381, 17.1384, 11.5634

Complementary

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



20.1082, 17.1384, 77.8495



39.6788, 30.4358, 3.7850

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.



8.8201, 17.1384, 3.3264



20.1082, 17.1384, 77.8495



19.3452, 17.1384, 1.0319

Square

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



20.1082, 17.1384, 77.8495



31.3539, 17.1384, 10.2209



12.9878, 17.1384, 1.1085



7.0405, 17.1384, 30.8017

Rectangle

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



20.1082, 17.1384, 77.8495



30.5799, 17.1384, 36.6839



12.9878, 17.1384, 1.1085



7.3328, 17.1384, 7.7877

Sweetspot

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



20.1091, 17.1388, 77.8500



60.8892, 65.4725, 104.0360



31.9293, 58.4935, 27.1795



12.2236, 13.1516, 22.1442



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.



20.1091, 17.1388, 77.8500



25.0711, 21.2621, 97.3904



14.4734, 5.7960, 75.9576



14.1513, 15.0239, 18.2984



11.3940, 9.8502, 43.6839



0.9346, 0.9131, 3.2590

Inverse Universe

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



35.8250, 18.1380, 16.6518



44.7839, 22.6776, 20.5920



60.3027, 73.5078, 11.0118



14.6639, 14.4828, 16.4307



20.1447, 10.1921, 9.6569



1.5354, 0.7719, 0.9597

Previews

White Background



This preview shows how the XYZ color 20.1082, 17.1384, 77.8495 looks on a white background.

Color Contrast Check

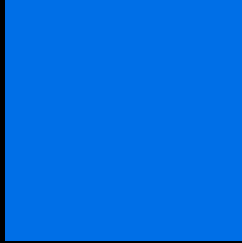
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1082, 17.1384, 77.8495 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

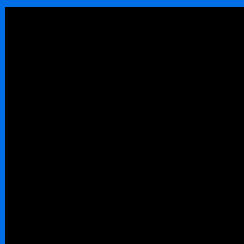
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

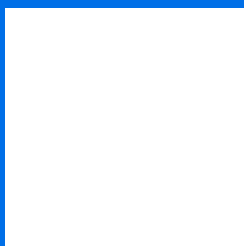
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.1082, 17.1384, 77.8495

Background



This preview shows how black text looks on a background with the XYZ color 20.1082, 17.1384, 77.8495.



This preview shows how white text looks on a background with the XYZ color 20.1082, 17.1384,

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

20.1082, 17.1384, 77.8495

Protanopia

20.3943, 17.1411, 77.0966

Deuteranopia

17.1408, 17.0344, 58.8845



Tritanopia

11.9625, 16.9280, 25.5586

Trichromacy



Original Color

20.1082, 17.1384, 77.8495

Protanomaly

20.1274, 17.0035, 77.0841

Deuteranomaly

18.1410, 17.0656, 65.2886

Tritanomaly

14.0931, 16.5770, 40.4871

Monochromacy



Original Color

20.1082, 17.1384, 77.8495

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

11.2234, 11.8367, 27.6798

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1082, 17.1384, 77.8495 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, 111, 231)` looks like.

```
.text, #text, p{  
    color:rgb(0, 111, 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, 111, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 111, 231) }
```

Border

The CSS property to change the border of an element to XYZ 20.1082, 17.1384, 77.8495 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, 111, 231) }
```


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

```
.border{ border-color:rgb(0, 111, 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, 111, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 111, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 111, 231);  
box-shadow:4px 4px 4px 4px rgb(0, 111,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1082, 17.1384, 77.8495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 111, 231) }
```

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

```
.background{ background-color: rgb(0, 111,  
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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor