

Converting Colors

XYZ(12.5597, 12.6074, 81.6552)

Have a look what the booklet for
XYZ(12.5597, 12.6074, 81.6552)
contains.

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Color

**XYZ(20.6486, 16.8395,
82.2828)**

Conversions

Conversions Part 1

Format	Color
Hex	006CED
RGB	0, 108, 237
RGB Percent	0%, 42%, 93%
CMY	0.9997, 0.5765, 0.0706
CMYK	1.00, 0.54, 0.00, 0.07
HSL	213°, 100%, 46%
HSV	213°, 100%, 93%
XYZ	20.6486, 16.8395, 82.2828
YIQ	90.4140, -105.7770, 17.2230

Conversions

Conversions Part 2

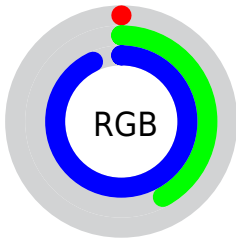
Format	Color
RYB	0, 74, 237
Decimal	27885
CIELab	48.06, 24.47, -71.73
CIELCh	48, 75.786, 288.835
Yxy	16.8395, 0.1724, 0.1406
Android (android.graphics.Color)	4278217965 (0xFF006CED)
YUV	90.4140, 72.2669, -79.2931
Hunter-Lab	41.0360, 18.0052, -90.1595

Details

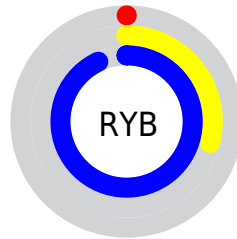
The XYZ color **20.6486, 16.8395, 82.2828** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **42.7845, 33.7227, 4.2560**, and the grayscale version is **9.6754, 10.1792, 11.0852**.

A 20% lighter version of the original color is **36.6325, 35.2044, 99.4721**, and **9.9608, 6.7405, 43.9561** is the 20% darker color. If you saturate the color by 10%, you get **20.6449, 16.8320, 82.2820**, and if you desaturate by 10%, it is **22.4829, 19.9570, 82.7883**.

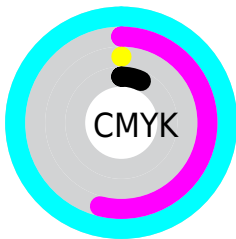
Distribution



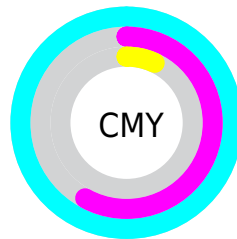
- Red (0%)
- Green (42%)
- Blue (93%)



- Red (0%)
- Yellow (29%)
- Blue (93%)



- Cyan (100%)
- Magenta (54%)
- Yellow (0%)
- Black (7%)



- Cyan (100%)
- Magenta (58%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6486, 16.8395, 82.2828 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 20.6486, 16.8395, 82.2828 by changing the saturation by 10% instead.

■ 20.6486, 16.8395,
82.2828

■ 20.6486, 16.8395,
82.2828

248.1723,
234.2458, 522.5014

■ 12.9784, 10.1201,
61.0615

■ 43.9977, 38.0496,
138.4107

■ 7.4906, 5.4787,
43.8439

■ 60.4072, 53.3091,
174.1545

■ 3.8198, 2.5308,
30.2115

■ 80.4606, 72.1842,
215.5761

■ 1.6007, 0.8920,
19.7458

■ 104.5232, 95.0591,
263.0941

■ 0.3929, 0.0000,
12.0282

■ 132.9602,
122.3183, 317.1272

■ 0.0000, 0.0000,
6.6401

166.1372,

■ 0.0000, 0.0000,

154.3463, 378.0937

3.1630

204.4194,
191.5273, 446.4122

■ 0.0000, 0.0000,
1.1785

■ 0.0000, 0.0000,
0.0000

■ 20.6486, 16.8395,
82.2828

■ 20.6486, 16.8395,
82.2828

■ 20.6449, 16.8320,
82.2820

■ 22.4829, 19.9570,
82.7883

■ 24.9784, 23.7267,
83.3844

■ 28.2855, 28.2378,
84.0808

■ 32.4955, 33.5481,
84.8839

■ 37.6856, 39.7082,
85.7994

■ 43.9243, 46.7632,
86.8324

■ 51.2732, 54.7546,
87.9875

■ 59.7890, 63.7208,
89.2693

■ 69.5241, 73.6977,
90.6820

Harmonies

Analogous

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



13.5867, 16.8395, 85.8898



20.6486, 16.8395, 82.2828



28.1186, 16.8395, 56.0914

Triad

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



20.6486, 16.8395, 82.2828



26.3422, 16.8395, 2.0713



6.2447, 16.8395, 11.9548

Complementary

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



20.6486, 16.8395, 82.2828



42.7845, 33.7227, 4.2560

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.



7.9926, 16.8395, 3.0228



20.6486, 16.8395, 82.2828



18.6954, 16.8395, 0.5946

Square

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



20.6486, 16.8395, 82.2828



32.0002, 16.8395, 8.6497



12.1164, 16.8395, 0.7781



6.4915, 16.8395, 33.4203

Rectangle

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



20.6486, 16.8395, 82.2828



31.7103, 16.8395, 35.6184



12.1164, 16.8395, 0.7781



6.5925, 16.8395, 7.8050

Sweetspot

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



20.6495, 16.8399, 82.2833



60.4072, 64.5086, 103.8753



34.0789, 62.0866, 30.0724



12.1100, 12.9245, 22.1064



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.



20.6495, 16.8399, 82.2833



24.3143, 19.7486, 97.1381



15.3865, 6.1673, 80.5006



14.7964, 15.6793, 19.1688



11.3990, 9.4449, 44.9652



0.9902, 0.9318, 3.5625

Inverse Universe

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



37.6327, 19.0887, 15.8883



44.4019, 22.5248, 18.5804



62.6306, 77.2438, 11.6104



15.3508, 15.1682, 17.1327



20.6090, 10.4463, 9.0081



1.6663, 0.8395, 0.9600

Previews

White Background



This preview shows how the XYZ color 20.6486, 16.8395, 82.2828 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 20.6486, 16.8395, 82.2828 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

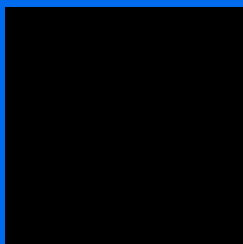
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

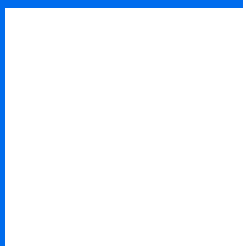
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.6486, 16.8395, 82.2828

Background



This preview shows how black text looks on a background with the XYZ color 20.6486, 16.8395, 82.2828.



This preview shows how white text looks on a background with the XYZ color 20.6486, 16.8395,

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

20.6486, 16.8395, 82.2828

Protanopia

20.0341, 16.7635, 78.5237

Deuteranopia

16.6707, 16.6609, 56.9808



Tritanopia

11.7639, 16.6429, 25.1466

Trichromacy



Original Color

20.6486, 16.8395, 82.2828

Protanomaly

20.3199, 16.8778, 80.0287

Deuteranomaly

17.9154, 16.6144, 65.2134

Tritanomaly

13.9475, 16.1339, 40.9071

Monochromacy



Original Color

20.6486, 16.8395, 82.2828

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

10.9200, 11.4024, 27.6119

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6486, 16.8395, 82.2828 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, 108, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 108, 237)  
}
```

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, 108, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 108, 237) }
```

Border

The CSS property to change the border of an element to XYZ 20.6486, 16.8395, 82.2828 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, 108, 237) }
```


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

```
.border{ border-color:rgb(0, 108, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 108, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 108, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 108, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 108,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6486, 16.8395, 82.2828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 108, 237) }
```

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

```
.background{ background-color: rgb(0, 108,  
237) }
```

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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