

Converting Colors

XYZ(11.5262, 11.9361, 81.7145)

Have a look what the booklet for
XYZ(11.5262, 11.9361, 81.7145)
contains.

XYZ(20.5438, 16.6298, 82.2479)	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(20.5438, 16.6298,
82.2479)**

Conversions

Conversions Part 1

Format	Color
Hex	006BED
RGB	0, 107, 237
RGB Percent	0%, 42%, 93%
CMY	0.9997, 0.5804, 0.0706
CMYK	1.00, 0.55, 0.00, 0.07
HSL	213°, 100%, 46%
HSV	213°, 100%, 93%
XYZ	20.5438, 16.6298, 82.2479
YIQ	89.8270, -105.5020, 17.7460

Conversions

Conversions Part 2

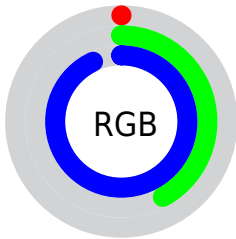
Format	Color
RYB	0, 74, 237
Decimal	27629
CIELab	47.79, 25.11, -72.16
CIELCh	48, 76.406, 289.185
Yxy	16.6298, 0.1720, 0.1393
Android (android.graphics.Color)	4278217709 (0xFF006BED)
YUV	89.8270, 72.5563, -78.7783
Hunter-Lab	40.7797, 18.5596, -91.0354

Details

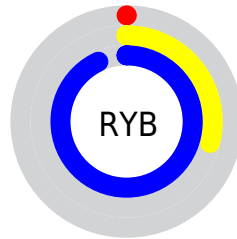
The XYZ color **20.5438, 16.6298, 82.2479** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **42.9177, 33.9888, 4.3005**, and the grayscale version is **9.5442, 10.0413, 10.9350**.

A 20% lighter version of the original color is **36.4612, 34.8619, 99.4150**, and **9.9070, 6.6328, 43.9381** is the 20% darker color. If you saturate the color by 10%, you get **20.5398, 16.6218, 82.2470**, and if you desaturate by 10%, it is **22.3743, 19.7396, 82.7521**.

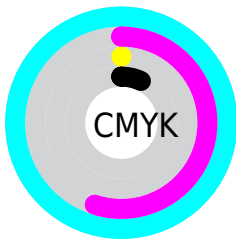
Distribution



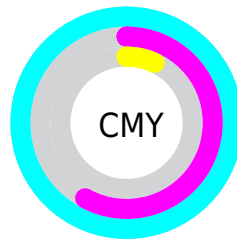
- Red (0%)
- Green (42%)
- Blue (93%)



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



- Cyan (100%)
- Magenta (55%)
- Yellow (0%)
- Black (7%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5438, 16.6298, 82.2479 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 20.5438, 16.6298, 82.2479 by changing the saturation by 10% instead.

■ 20.5438, 16.6298,
82.2479

■ 20.5438, 16.6298,
82.2479

247.6219,
233.0299, 522.3817

■ 12.9015, 9.9709,
61.0329

■ 43.8241, 37.6882,
138.3614

■ 7.4373, 5.3797,
43.8210

■ 60.1927, 52.8564,
174.0969

■ 3.7858, 2.4717,
30.1936

■ 80.2009, 71.6299,
215.5098

■ 1.5817, 0.8624,
19.7323

■ 104.2140, 94.3931,
263.0184

■ 0.3804, 0.0000,
12.0185

■ 132.5972,
121.5302, 317.0414

■ 0.0000, 0.0000,
6.6336

165.7161,

■ 0.0000, 0.0000,

153.4258, 377.9972

3.1591

203.9358,
190.4643, 446.3045

■ 0.0000, 0.0000,
1.1764

■ 0.0000, 0.0000,
0.0000

■ 20.5438, 16.6298,
82.2479

■ 20.5438, 16.6298,
82.2479

■ 20.5398, 16.6218,
82.2470

■ 22.3743, 19.7396,
82.7521

■ 24.8687, 23.5071,
83.3479

■ 28.1778, 28.0217,
84.0449

■ 32.3927, 33.3419,
84.8496

■ 37.5911, 39.5183,
85.7678

■ 43.8416, 46.5967,
86.8046

■ 51.2060, 54.6187,
87.9649

■ 59.7409, 63.6230,
89.2530

■ 69.4992, 73.6460,
90.6734

Harmonies

Analogous

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



13.4604, 16.6298, 86.2204



20.5438, 16.6298, 82.2479



28.0230, 16.6298, 55.6677

Triad

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



20.5438, 16.6298, 82.2479



26.0776, 16.6298, 1.9311



6.0747, 16.6298, 11.9092

Complementary

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



20.5438, 16.6298, 82.2479



42.9177, 33.9888, 4.3005

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.



7.7839, 16.6298, 2.9462



20.5438, 16.6298, 82.2479



18.4097, 16.6298, 0.5137

Square

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



20.5438, 16.6298, 82.2479



31.8029, 16.6298, 8.3214



11.8593, 16.6298, 0.7155



6.3416, 16.6298, 33.5551

Rectangle

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



20.5438, 16.6298, 82.2479



31.5991, 16.6298, 35.0996



11.8593, 16.6298, 0.7155



6.4116, 16.6298, 7.7352

Sweetspot

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



20.5447, 16.6302, 82.2484



60.3257, 64.3455, 103.8482



34.0791, 62.0867, 30.0732



12.0908, 12.8862, 22.1000



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.



20.5447, 16.6302, 82.2484



24.1904, 19.5008, 97.0968



15.3866, 6.1674, 80.5007



14.7910, 15.6685, 19.1670



11.3411, 9.3292, 44.9459



0.9854, 0.9223, 3.5610

Inverse Universe

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



37.5798, 19.0677, 15.6095



44.3394, 22.4998, 18.2512



62.6307, 77.2438, 11.6106



15.3481, 15.1671, 17.1183



20.5798, 10.4346, 8.8543



1.6639, 0.8385, 0.9475

Previews

White Background



This preview shows how the XYZ color 20.5438, 16.6298, 82.2479 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 20.5438, 16.6298, 82.2479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

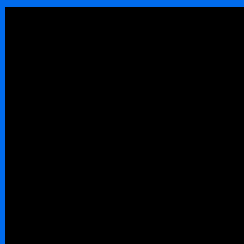
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

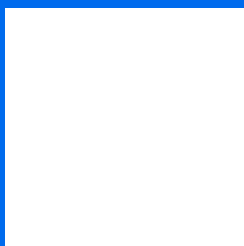
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.5438, 16.6298, 82.2479

Background



This preview shows how black text looks on a background with the XYZ color 20.5438, 16.6298, 82.2479.



This preview shows how white text looks on a background with the XYZ color 20.5438, 16.6298,

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

20.5438, 16.6298, 82.2479

Protanopia

19.8924, 16.7068, 77.7776

Deuteranopia

16.5542, 16.6143, 56.3672



Tritanopia

11.5673, 16.3607, 24.7386

Trichromacy



Original Color

20.5438, 16.6298, 82.2479

Protanomaly

20.0705, 16.6083, 79.2387

Deuteranomaly

17.9154, 16.6144, 65.2134

Tritanomaly

13.8291, 15.8971, 40.8677

Monochromacy



Original Color

20.5438, 16.6298, 82.2479

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

10.8281, 11.2188, 27.5813

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5438, 16.6298, 82.2479 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, 107, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 107, 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, 107, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 107, 237) }
```

Border

The CSS property to change the border of an element to XYZ 20.5438, 16.6298, 82.2479 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, 107, 237) }
```


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

```
.border{ border-color:rgb(0, 107, 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, 107, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 107, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 107, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 107,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5438, 16.6298, 82.2479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 107, 237) }
```

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

```
.background{ background-color: rgb(0, 107,  
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](#).

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