

Converting Colors

XYZ(21.3386, 18.7761, 80.7966)

Have a look what the booklet for
XYZ(21.3386, 18.7761, 80.7966)
contains.

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Color

**XYZ(21.3567, 18.7207,
81.0851)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 0075EB |
| RGB | 0, 117, 235 |
| RGB Percent | 0%, 46%, 92% |
| CMY | 0.9997, 0.5412, 0.0784 |
| CMYK | 1.00, 0.50, 0.00, 0.08 |
| HSL | 210°, 100%, 46% |
| HSV | 210°, 100%, 92% |
| XYZ | 21.3567, 18.7207, 81.0851 |
| YIQ | 95.4690, -107.6100, 11.8940 |

Conversions

Conversions Part 2

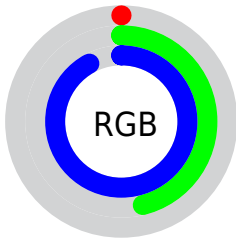
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 0, 78, 235 |
| Decimal | 30187 |
| CIELab | 50.36, 17.94, -66.87 |
| CIElCh | 50, 69.237, 285.021 |
| Yxy | 18.7207, 0.1763, 0.1545 |
| Android (android.graphics.Color) | 4278220267 (0xFF0075EB) |
| YUV | 95.4690, 68.7888, -83.7263 |
| Hunter-Lab | 43.2674, 12.3892, -80.8249 |

Details

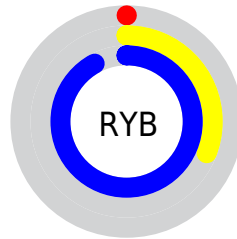
The XYZ color **21.3567, 18.7207, 81.0851** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **40.7479, 30.6352, 3.7675**, and the grayscale version is **10.8532, 11.4184, 12.4346**.

A 20% lighter version of the original color is **38.1160, 38.3511, 100.0013**, and **10.2260, 7.5947, 43.0464** is the 20% darker color. If you saturate the color by 10%, you get **21.3529, 18.7129, 81.0843**, and if you desaturate by 10%, it is **23.1863, 21.8359, 81.5904**.

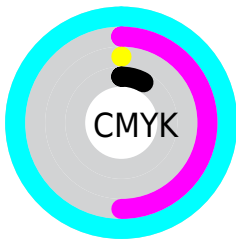
Distribution



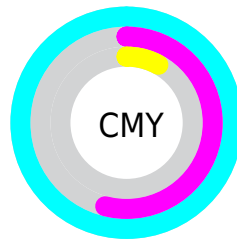
- Red (0%)
- Green (46%)
- Blue (92%)



- Red (0%)
- Yellow (31%)
- Blue (92%)



- Cyan (100%)
- Magenta (50%)
- Yellow (0%)
- Black (8%)



- Cyan (100%)
- Magenta (54%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3567, 18.7207, 81.0851 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 21.3567, 18.7207, 81.0851 by changing the saturation by 10% instead.

■ 21.3567, 18.7207,
81.0851

■ 21.3567, 18.7207,
81.0851

251.8641,
244.9025, 518.3851

■ 13.4989, 11.4686,
60.0803

■ 45.1672, 41.2616,
136.7154

■ 7.8524, 6.3830,
43.0576

■ 61.8507, 57.3193,
172.1780

■ 4.0516, 3.0793,
29.5986

■ 82.2068, 77.0809,
213.2968

■ 1.7314, 1.1733,
19.2846

■ 106.6009,
100.9309, 260.4906

■ 0.4758, 0.0397,
11.6972

■ 135.3983,
129.2536, 314.1778

■ 0.0000, 0.0000,
6.4179

168.9644,

■ 0.0000, 0.0000,

162.4336, 374.7769

3.0279

207.6646,
200.8551, 442.7065

■ 0.0000, 0.0000,
1.1089

■ 0.0000, 0.0000,
0.0000

■ 21.3567, 18.7207,
81.0851

■ 21.3567, 18.7207,
81.0851

■ 21.3529, 18.7129,
81.0843

■ 23.1863, 21.8359,
81.5904

■ 25.6379, 25.5381,
82.1758

■ 28.8573, 29.9113,
82.8503

■ 32.9322, 35.0089,
83.6194

■ 37.9367, 40.8769,
84.4883

■ 43.9363, 47.5566,
85.4614

■ 50.9900, 55.0858,
86.5429

■ 59.1517, 63.4993,
87.7367

■ 68.4717, 72.8298,
89.0465

Harmonies

Analogous

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



14.6582, 18.7207, 81.1023



21.3567, 18.7207, 81.0851



28.5878, 18.7207, 59.3258

Triad

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



21.3567, 18.7207, 81.0851



28.5789, 18.7207, 3.8135



8.0025, 18.7207, 12.2368

Complementary

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



21.3567, 18.7207, 81.0851



40.7479, 30.6352, 3.7675

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.



10.1291, 18.7207, 3.8197



21.3567, 18.7207, 81.0851



21.3466, 18.7207, 1.4612

Square

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



21.3567, 18.7207, 81.0851



33.4184, 18.7207, 12.2186



14.6504, 18.7207, 1.4624



8.0039, 18.7207, 31.5570

Rectangle

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



21.3567, 18.7207, 81.0851



32.2641, 18.7207, 40.3448



14.6504, 18.7207, 1.4624



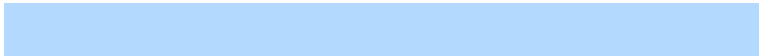
8.4628, 18.7207, 8.4098

Sweetspot

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



21.3576, 18.7212, 81.0856



61.2288, 66.1517, 104.1492



32.9517, 60.7144, 26.9770



12.3037, 13.3119, 22.1709



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.



21.3576, 18.7212, 81.0856



25.6291, 22.3782, 97.5764



14.9971, 6.0001, 78.9654



14.8505, 15.7875, 19.1868



12.0114, 10.6698, 45.1694



1.0394, 1.0302, 3.5789

Inverse Universe

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



37.4728, 18.9481, 18.5119



45.0656, 22.7902, 22.0753



63.9700, 77.0794, 11.5082



15.3781, 15.1791, 17.2764



20.9181, 10.5699, 10.6359



1.6911, 0.8494, 1.0908

Previews

White Background



This preview shows how the XYZ color 21.3567, 18.7207, 81.0851 looks on a white 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

Black Background



This preview shows how the XYZ color 21.3567, 18.7207, 81.0851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

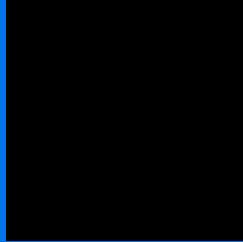
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

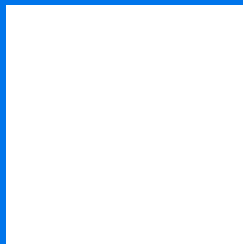
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.3567, 18.7207, 81.0851

Background



This preview shows how black text looks on a background with the XYZ color 21.3567, 18.7207, 81.0851.



This preview shows how white text looks on a background with the XYZ color 21.3567, 18.7207,

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

21.3567, 18.7207, 81.0851

Protanopia

22.0110, 18.7490, 79.5496

Deuteranopia

18.8432, 18.6725, 64.8984



Tritanopia

13.1952, 18.6981, 28.1129

Trichromacy



Original Color

21.3567, 18.7207, 81.0851

Protanomaly

21.6321, 18.7073, 80.3126

Deuteranomaly

19.6347, 18.6002, 70.2655

Tritanomaly

15.3272, 18.2739, 43.2768

Monochromacy



Original Color

21.3567, 18.7207, 81.0851

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.9020, 12.7365, 29.0252

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3567, 18.7207, 81.0851 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, 117, 235)` looks like.

```
.text, #text, p{  
    color:rgb(0, 117, 235)  
}
```

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, 117, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 117, 235) }
```

Border

The CSS property to change the border of an element to XYZ 21.3567, 18.7207, 81.0851 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, 117, 235) }
```


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

```
.border{ border-color:rgb(0, 117, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 117, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 117, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 117, 235);  
box-shadow:4px 4px 4px 4px rgb(0, 117,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3567, 18.7207, 81.0851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 117, 235) }
```

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

```
.background{ background-color: rgb(0, 117,  
235) }
```

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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