

Converting Colors

XYZ(20.2057, 15.9186, 82.2433)

Have a look what the booklet for
XYZ(20.2057, 15.9186, 82.2433)
contains.

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Color

**XYZ(20.1363, 15.8149,
82.1120)**

Conversions

Conversions Part 1

Format	Color
Hex	0067ED
RGB	0, 103, 237
RGB Percent	0%, 40%, 93%
CMY	0.9997, 0.5961, 0.0706
CMYK	1.00, 0.57, 0.00, 0.07
HSL	214°, 100%, 46%
HSV	214°, 100%, 93%
XYZ	20.1363, 15.8149, 82.1120
YIQ	87.4790, -104.4020, 19.8380

Conversions

Conversions Part 2

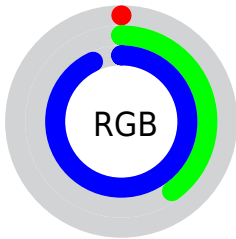
Format	Color
RYB	0, 72, 237
Decimal	26605
CIELab	46.73, 27.68, -73.89
CIELCh	47, 78.903, 290.536
Yxy	15.8149, 0.1706, 0.1340
Android (android.graphics.Color)	4278216685 (0xFF0067ED)
YUV	87.4790, 73.7139, -76.7191
Hunter-Lab	39.7680, 20.7887, -94.5831

Details

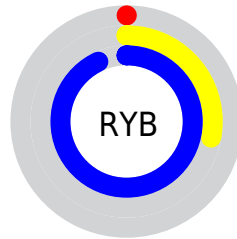
The XYZ color **20.1363, 15.8149, 82.1120** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **43.4599, 35.0733, 4.4811**, and the grayscale version is **9.0287, 9.4989, 10.3443**.

A 20% lighter version of the original color is **35.7479, 33.2537, 99.1422**, and **9.7513, 6.3214, 43.8862** is the 20% darker color. If you saturate the color by 10%, you get **20.1326, 15.8075, 82.1112**, and if you desaturate by 10%, it is **21.9493, 18.8897, 82.6104**.

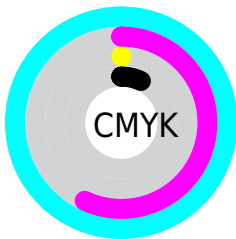
Distribution



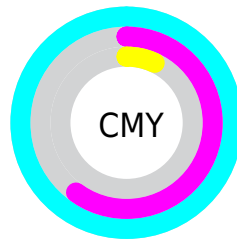
- Red (0%)
- Green (40%)
- Blue (93%)



- Red (0%)
- Yellow (28%)
- Blue (93%)



- Cyan (100%)
- Magenta (57%)
- Yellow (0%)
- Black (7%)



- Cyan (100%)
- Magenta (60%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1363, 15.8149, 82.1120 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 20.1363, 15.8149, 82.1120 by changing the saturation by 10% instead.

■ 20.1363, 15.8149,
82.1120

■ 20.1363, 15.8149,
82.1120

245.4716,
228.2470, 521.9155

■ 12.6030, 9.3933,
60.9215

■ 43.1478, 36.2766,
138.1691

■ 7.2309, 4.9986,
43.7317

■ 59.3567, 51.0854,
173.8729

■ 3.6545, 2.2464,
30.1240

■ 79.1881, 69.4587,
215.2514

■ 1.5086, 0.7451,
19.6799

■ 103.0075, 91.7810,
262.7234

■ 0.3317, 0.0000,
11.9808

■ 131.1802,
118.4365, 316.7072

■ 0.0000, 0.0000,
6.6082

164.0716,

■ 0.0000, 0.0000,

149.8098, 377.6215

3.1436

202.0469,
186.2851, 445.8847

■ 0.0000, 0.0000,
1.1684

■ 0.0000, 0.0000,
0.0000

■ 20.1363, 15.8149,
82.1120

■ 20.1363, 15.8149,
82.1120

■ 20.1326, 15.8075,
82.1112

■ 21.9493, 18.8897,
82.6104

■ 24.4370, 22.6439,
83.2039

■ 27.7510, 27.1686,
83.9026

■ 31.9834, 32.5239,
84.7132

■ 37.2126, 38.7621,
85.6417

■ 43.5078, 45.9302,
86.6935

■ 50.9316, 54.0713,
87.8736

■ 59.5414, 63.2254,
89.1867

■ 69.3903, 73.4300,
90.6373

Harmonies

Analogous

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



12.9700, 15.8149, 87.5596



20.1363, 15.8149, 82.1120



27.6512, 15.8149, 53.9968

Triad

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



20.1363, 15.8149, 82.1120



25.0427, 15.8149, 1.4350



5.4293, 15.8149, 11.7364

Complementary

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



20.1363, 15.8149, 82.1120



43.4599, 35.0733, 4.4811

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.



6.9893, 15.8149, 2.6564



20.1363, 15.8149, 82.1120



17.3009, 15.8149, 0.1917

Square

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



20.1363, 15.8149, 82.1120



31.0286, 15.8149, 7.0942



10.8719, 15.8149, 0.4671



5.7694, 15.8149, 34.1116

Rectangle

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



20.1363, 15.8149, 82.1120



31.1652, 15.8149, 33.0778



10.8719, 15.8149, 0.4671



5.7251, 15.8149, 7.4672

Sweetspot

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



20.1371, 15.8153, 82.1125



60.0022, 63.6986, 103.7404



34.3400, 62.1910, 31.4471



12.0148, 12.7341, 22.0746



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.



20.1371, 15.8153, 82.1125



23.7107, 18.5414, 96.9369



15.4372, 6.1934, 80.5030



14.7695, 15.6254, 19.1598



11.1168, 8.8806, 44.8712



0.9670, 0.8855, 3.5548

Inverse Universe

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



37.3741, 18.9853, 14.5265



44.0973, 22.4029, 16.9761



61.3840, 76.6011, 11.5521



15.3372, 15.1627, 17.0610



20.4665, 10.3893, 8.2582



1.6546, 0.8348, 0.8985

Previews

White Background



This preview shows how the XYZ color 20.1363, 15.8149, 82.1120 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 20.1363, 15.8149, 82.1120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

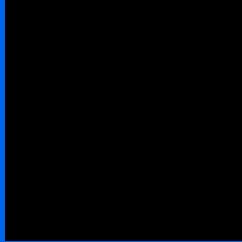
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.1363, 15.8149, 82.1120

Background



This preview shows how black text looks on a background with the XYZ color 20.1363, 15.8149, 82.1120.



This preview shows how white text looks on a background with the XYZ color 20.1363, 15.8149,

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

20.1363, 15.8149, 82.1120

Protanopia

18.7446, 15.7443, 73.2852

Deuteranopia

15.6427, 15.7053, 53.2459



Tritanopia

10.9888, 15.5308, 23.5377

Trichromacy



Original Color

20.1363, 15.8149, 82.1120

Protanomaly

19.1944, 15.7603, 76.1591

Deuteranomaly

17.1015, 15.5904, 63.0807

Tritanomaly

13.2922, 15.1260, 39.7552

Monochromacy



Original Color

20.1363, 15.8149, 82.1120

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

10.3724, 10.5939, 27.0893

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1363, 15.8149, 82.1120 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, 103, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 103, 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, 103, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 103, 237) }
```

Border

The CSS property to change the border of an element to XYZ 20.1363, 15.8149, 82.1120 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, 103, 237) }
```


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

```
.border{ border-color:rgb(0, 103, 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, 103, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 103, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 103, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 103,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1363, 15.8149, 82.1120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 103, 237) }
```

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

```
.background{ background-color: rgb(0, 103,  
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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