

Converting Colors

XYZ(15.5535, 6.6142, 80.6926)

Have a look what the booklet for
XYZ(15.5535, 6.6142, 80.6926)
contains.

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Color

**XYZ(15.5362, 6.6147,
80.5787)**

Conversions

Conversions Part 1

Format	Color
Hex	0014ED
RGB	0, 20, 237
RGB Percent	0%, 8%, 93%
CMY	0.9997, 0.9216, 0.0706
CMYK	1.00, 0.92, 0.00, 0.07
HSL	235°, 100%, 46%
HSV	235°, 100%, 93%
XYZ	15.5362, 6.6147, 80.5787
YIQ	38.7580, -81.5770, 63.2470

Conversions

Conversions Part 2

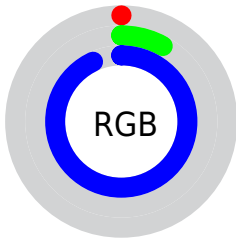
Format	Color
RYB	0, 18, 237
Decimal	5357
CIELab	30.91, 71.17, -100.02
CIELCh	31, 122.757, 305.435
Yxy	6.6147, 0.1512, 0.0644
Android (android.graphics.Color)	4278195437 (0xFF0014ED)
YUV	38.7580, 97.7333, -33.9908
Hunter-Lab	25.7191, 62.8188, -167.7543

Details

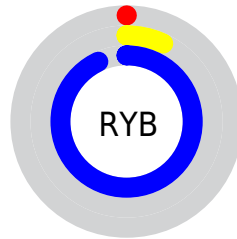
The XYZ color **15.5362, 6.6147, 80.5787** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark washed blue. A complement of this color would be **59.7587, 67.6711, 9.9141**, and the grayscale version is **1.8322, 1.9276, 2.0992**.

A 20% lighter version of the original color is **27.7741, 16.1726, 96.2655**, and **8.1367, 3.2547, 42.8472** is the 20% darker color. If you saturate the color by 10%, you get **15.5350, 6.6122, 80.5786**, and if you desaturate by 10%, it is **16.4744, 7.9400, 80.7854**.

Distribution



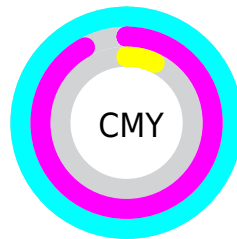
- Red (0%)
- Green (8%)
- Blue (93%)



- Red (0%)
- Yellow (7%)
- Blue (93%)



- Cyan (100%)
- Magenta (92%)
- Yellow (0%)
- Black (7%)



- Cyan (100%)
- Magenta (92%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.5362, 6.6147, 80.5787 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 15.5362, 6.6147, 80.5787 by changing the saturation by 10% instead.

■ 15.5362, 6.6147,
80.5787

■ 15.5362, 6.6147,
80.5787

219.9138,
164.4226, 516.6391

■ 9.2853, 3.2223,
59.6657

■ 35.3551, 19.1938,
135.9978

■ 4.9863, 1.2489,
42.7257

■ 49.6539, 29.1493,
171.3410

■ 2.2739, 0.1011,
29.3402

■ 67.3659, 42.0613,
212.3313

■ 0.7813, 0.0000,
19.0905

■ 88.8567, 58.3142,
259.3873

■ 0.0000, 0.0000,
11.5582

■ 114.4915, 78.2924,
312.9276

■ 0.0000, 0.0000,
6.3248


■ 144.6357,

■ 0.0000, 0.0000,


102.3803, 373.3706

2.9716


 179.6547,
130.9622, 441.1349

 0.0000, 0.0000,
1.0801


 0.0000, 0.0000,
0.0000


 15.5362, 6.6147,
80.5787


 15.5362, 6.6147,
80.5787

 15.5350, 6.6122,
80.5786

 16.4744, 7.9400,
80.7854

 18.2797, 10.3294,
81.1514

 21.1537, 13.9743,
81.7035

 25.2298, 19.0170,
82.4620

■ 30.6218, 25.5807,
83.4447

■ 37.4300, 33.7748,
84.6675

■ 45.7452, 43.6988,
86.1448

■ 55.6505, 55.4441,
87.8898

■ 67.2228, 69.0955,
89.9148

Harmonies

Analogous

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



7.4351, 6.6147, 114.0088



15.5362, 6.6147, 80.5787



23.5087, 6.6147, 31.2458

Triad

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



15.5362, 6.6147, 80.5787



12.3497, 6.6147, 0.0000



0.2695, 6.6147, 10.7758

Complementary

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



15.5362, 6.6147, 80.5787



59.7587, 67.6711, 9.9141

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.



0.5273, 6.6147, 0.1583



15.5362, 6.6147, 80.5787



5.2638, 6.6147, 0.0000

Square

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



15.5362, 6.6147, 80.5787



20.9918, 6.6147, 0.0000



1.7110, 6.6147, 0.0000



0.8111, 6.6147, 47.8501

Rectangle

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



15.5362, 6.6147, 80.5787



26.0012, 6.6147, 10.1405



1.7110, 6.6147, 0.0000



0.2656, 6.6147, 4.8947

Sweetspot

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



15.5368, 6.6147, 80.5790



53.8598, 51.4138, 101.6929



42.3343, 65.3887, 73.5452



10.5932, 9.8909, 21.6008



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.



15.5368, 6.6147, 80.5790



18.3263, 7.7727, 95.1421



19.9894, 8.5401, 80.7159



14.3330, 14.7524, 19.0143



8.5196, 3.6862, 44.0054



0.7042, 0.3599, 3.4672

Inverse Universe

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



35.0520, 18.0564, 2.2990



41.3795, 21.3158, 2.6645



41.4788, 66.3395, 10.6205



15.1169, 15.0746, 15.9008



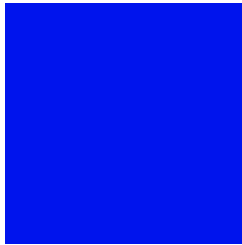
19.1556, 9.8649, 1.3548



1.5219, 0.7817, 0.2000

Previews

White Background



This preview shows how the XYZ color 15.5362, 6.6147, 80.5787 looks on a white background.

Color Contrast Check

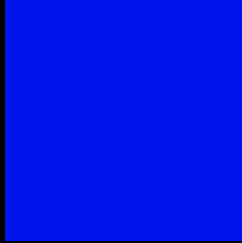
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 15.5362, 6.6147, 80.5787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

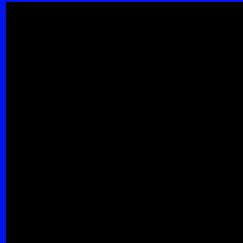
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.5362, 6.6147, 80.5787

Background



This preview shows how black text looks on a background with the XYZ color 15.5362, 6.6147, 80.5787.



This preview shows how white text looks on a background with the XYZ color 15.5362, 6.6147,

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

15.5362, 6.6147, 80.5787

Protanopia

7.5985, 6.6446, 28.8990

Deuteranopia

6.2177, 6.5128, 20.3314

Trichromacy



Original Color

15.5362, 6.6147, 80.5787

Protanomaly

9.4662, 5.7513, 43.7912

Deuteranomaly

8.2491, 5.4856, 36.7004

Monochromacy



Original Color

15.5362, 6.6147, 80.5787

Achromatopsia

1.9284, 2.0289, 2.2094

Achromatomaly

3.7867, 2.3874, 15.3002

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5362, 6.6147, 80.5787 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, 20, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 20, 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, 20, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 20, 237) }
```

Border

The CSS property to change the border of an element to XYZ 15.5362, 6.6147, 80.5787 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, 20, 237) }
```

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

```
.border{ border-color:rgb(0, 20, 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, 20, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 20, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 20, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 20, 237)  
}
```


Background

The CSS property to change the background color of an element to XYZ 15.5362, 6.6147, 80.5787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 20, 237) }
```

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

```
.background{ background-color: rgb(0, 20,  
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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