

Converting Colors

XYZ(16.1049, 6.4466, 84.5996)

Have a look what the booklet for
XYZ(16.1049, 6.4466, 84.5996)
contains.

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Color

**XYZ(16.0646, 6.4302,
84.3988)**

Conversions

Conversions Part 1

Format	Color
Hex	0300F2
RGB	3, 0, 242
RGB Percent	1%, 0%, 95%
CMY	0.9880, 1.0000, 0.0510
CMYK	0.99, 1.00, 0.00, 0.05
HSL	241°, 100%, 47%
HSV	241°, 100%, 95%
XYZ	16.0646, 6.4302, 84.3988
YIQ	28.4850, -75.8940, 75.8980

Conversions

Conversions Part 2

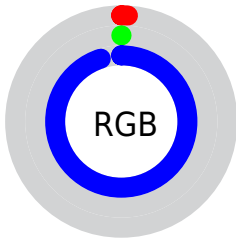
Format	Color
R _Y B	3, 0, 242
Decimal	196850
CIE Lab	30.47, 76.13, -103.59
CIE LCh	30, 128.562, 306.313
Yxy	6.4302, 0.1503, 0.0602
Android (android.graphics.Color)	4278386930 (0xFF0300F2)
YUV	28.4850, 105.2629, -22.3503
Hunter-Lab	25.3578, 68.7064, -179.5851

Details

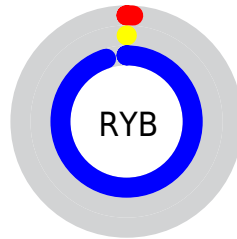
The XYZ color **16.0646, 6.4302, 84.3988** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **67.3251, 81.8430, 12.2489**, and the grayscale version is **1.0750, 1.1310, 1.2317**.

A 20% lighter version of the original color is **27.6493, 15.3278, 96.1090**, and **8.6517, 3.4607, 45.5594** is the 20% darker color. If you saturate the color by 10%, you get **16.0655, 6.4306, 84.3991**, and if you desaturate by 10%, it is **16.8089, 7.3049, 84.5287**.

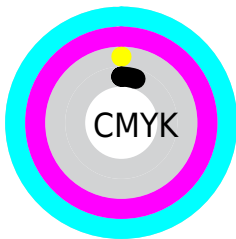
Distribution



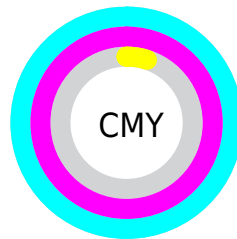
- Red (1%)
- Green (0%)
- Blue (95%)



- Red (1%)
- Yellow (0%)
- Blue (95%)



- Cyan (99%)
- Magenta (100%)
- Yellow (0%)
- Black (5%)



- Cyan (99%)
- Magenta (100%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0646, 6.4302, 84.3988 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 16.0646, 6.4302, 84.3988 by changing the saturation by 10% instead.

■ 16.0646, 6.4302,
84.3988

■ 16.0646, 6.4302,
84.3988

222.9855,
162.8415, 529.7292

■ 9.6610, 3.1084,
62.7975

■ 36.2669, 18.8174,
141.3996

■ 5.2353, 1.1886,
45.2374

■ 50.7962, 28.6516,
177.6361

■ 2.4222, 0.0523,
31.3002

■ 68.7649, 41.4253,
219.5881

■ 0.8562, 0.0000,
20.5671

■ 90.5383, 57.5230,
267.6742

■ 0.0000, 0.0000,
12.6198

■ 116.4817, 77.3291,
322.3127


■ 0.0000, 0.0000,
7.0396


■ 146.9604,


■ 0.0000, 0.0000,


101.2279, 383.9224

3.4081


 182.3399,
129.6039, 452.9217


 0.0000, 0.0000,
1.3066

 0.0000, 0.0000,
0.0672


 16.0646, 6.4302,
84.3988


 16.0646, 6.4302,
84.3988

 16.0655, 6.4306,
84.3991

 16.8089, 7.3049,
84.5287

 18.4585, 9.2577,
84.8187

 21.2655, 12.6093,
85.3177

 25.3899, 17.5559,
86.0551

■ 30.9665, 24.2624,
87.0556

■ 38.1134, 32.8732,
88.3410

■ 46.9367, 43.5178,
89.9306

■ 57.5332, 56.3144,
91.8421

■ 69.9923, 71.3721,
94.0918

Harmonies

Analogous

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



7.4992, 6.4302, 122.3156



16.0646, 6.4302, 84.3988



24.4622, 6.4302, 31.1426

Triad

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



16.0646, 6.4302, 84.3988



12.1628, 6.4302, 0.0000



0.0871, 6.4302, 11.3996

Complementary

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



16.0646, 6.4302, 84.3988



67.3251, 81.8430, 12.2489

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.



0.3324, 6.4302, 0.0623



16.0646, 6.4302, 84.3988



4.9069, 6.4302, 0.0000

Square

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



16.0646, 6.4302, 84.3988



21.3430, 6.4302, 0.0000



1.4561, 6.4302, 0.0000



0.6775, 6.4302, 51.9292

Rectangle

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



16.0646, 6.4302, 84.3988



26.9817, 6.4302, 9.3997



1.4561, 6.4302, 0.0000



0.0745, 6.4302, 5.0502

Sweetspot

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



16.0655, 6.4306, 84.3991



52.7694, 48.9000, 101.2651



47.7793, 69.9153, 94.9814



10.3462, 9.3218, 21.5039



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.



16.0655, 6.4306, 84.3991



18.0905, 7.2409, 95.0519



23.9122, 10.4758, 84.7664



14.9158, 15.2383, 19.8767



8.6390, 3.4590, 45.3402



0.7252, 0.2911, 3.7722

Inverse Universe

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



52.1877, 25.1051, 83.7022



58.7734, 28.2734, 94.2596



39.6374, 67.5694, 10.9531



16.4451, 16.0278, 19.9003



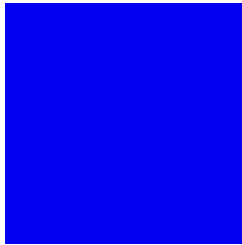
28.0398, 13.4883, 44.9874



2.3354, 1.1232, 3.7571

Previews

White Background



This preview shows how the XYZ color 16.0646, 6.4302, 84.3988 looks on a white background.

Color Contrast Check

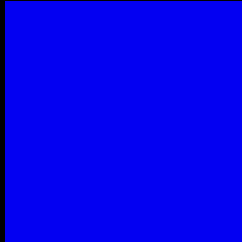
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.0646, 6.4302, 84.3988 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

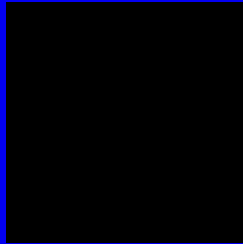
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.0646, 6.4302, 84.3988

Background



This preview shows how black text looks on a background with the XYZ color 16.0646, 6.4302, 84.3988.



This preview shows how white text looks on a background with the XYZ color 16.0646, 6.4302,

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

16.0646, 6.4302, 84.3988

Protanopia

7.5985, 6.6446, 28.8990

Deuteranopia

6.2861, 6.6496, 20.3542



Tritanopia

4.5821, 6.5407, 9.6153

Trichromacy



Original Color

16.0646, 6.4302, 84.3988

Protanomaly

9.3944, 5.2606, 44.7762

Deuteranomaly

8.1374, 4.9475, 37.5719

Tritanomaly

6.1230, 4.4154, 26.1207

Monochromacy



Original Color

16.0646, 6.4302, 84.3988

Achromatopsia

1.1678, 1.2286, 1.3380

Achromatomaly

3.1063, 1.6219, 13.7850

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0646, 6.4302, 84.3988 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(3, 0, 242)` looks like.

```
.text, #text, p{  
    color:rgb(3, 0, 242)  
}
```

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(3, 0, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 0, 242) }
```

Border

The CSS property to change the border of an element to XYZ 16.0646, 6.4302, 84.3988 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(3, 0, 242) }
```


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

```
.border{ border-color:rgb(3, 0, 242) }
```

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

Here you see how a box with a 4 pixel rgb(3, 0, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 0, 242); -webkit-box-shadow:4px  
4px 4px 4px rgb(3, 0, 242); box-shadow:4px  
4px 4px 4px rgb(3, 0, 242) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0646, 6.4302, 84.3988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 0, 242) }
```

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

```
.background{ background-color: rgb(3, 0,  
242) }
```

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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