

Converting Colors

XYZ(16.4483, 6.6237, 84.6130)

Have a look what the booklet for
XYZ(16.4483, 6.6237, 84.6130)
contains.

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Color

**XYZ(16.4037, 6.6050,
84.4147)**

Conversions

Conversions Part 1

Format	Color
Hex	1800F2
RGB	24, 0, 242
RGB Percent	9%, 0%, 95%
CMY	0.9057, 1.0000, 0.0510
CMYK	0.90, 1.00, 0.00, 0.05
HSL	246°, 100%, 47%
HSV	246°, 100%, 95%
XYZ	16.4037, 6.6050, 84.4147
YIQ	34.7640, -63.3780, 80.3500

Conversions

Conversions Part 2

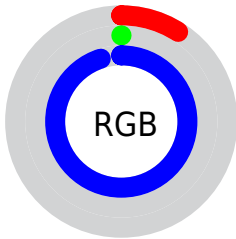
Format	Color
R _Y B	24, 0, 242
Decimal	1573106
CIE Lab	30.89, 76.27, -102.89
CIE LCh	31, 128.071, 306.549
Yxy	6.6050, 0.1527, 0.0615
Android (android.graphics.Color)	4279763186 (0xFF1800F2)
YUV	34.7640, 102.1673, -9.4400
Hunter-Lab	25.7002, 68.9561, -176.7534

Details

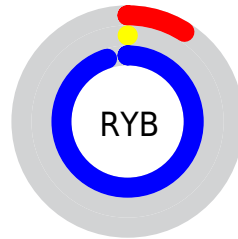
The XYZ color **16.4037, 6.6050, 84.4147** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **60.6552, 78.4045, 11.9367**, and the grayscale version is **1.5076, 1.5861, 1.7273**.

A 20% lighter version of the original color is **28.2662, 15.7379, 96.1557**, and **8.6517, 3.4607, 45.5594** is the 20% darker color. If you saturate the color by 10%, you get **16.4046, 6.6055, 84.4150**, and if you desaturate by 10%, it is **17.4770, 7.6493, 84.5600**.

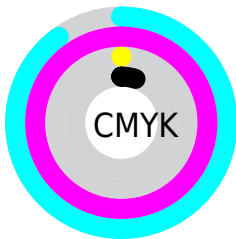
Distribution



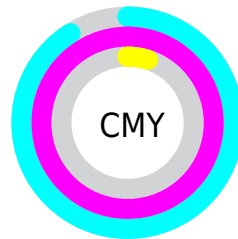
- Red (9%)
- Green (0%)
- Blue (95%)



- Red (9%)
- Yellow (0%)
- Blue (95%)



- Cyan (90%)
- Magenta (100%)
- Yellow (0%)
- Black (5%)



- Cyan (91%)
- Magenta (100%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4037, 6.6050, 84.4147 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 16.4037, 6.6050, 84.4147 by changing the saturation by 10% instead.

■ 16.4037, 6.6050,
84.4147

■ 16.4037, 6.6050,
84.4147

224.9361,
164.3400, 529.7833

■ 9.9029, 3.2163,
62.8105

■ 36.8495, 19.1741,
141.4220

■ 5.3964, 1.2457,
45.2479

■ 51.5251, 29.1232,
177.6622

■ 2.5188, 0.0986,
31.3084

■ 69.6565, 42.0280,
219.6182

■ 0.9048, 0.0000,
20.5734

■ 91.6089, 58.2728,
267.7085

■ 0.0000, 0.0000,
12.6243

■ 117.7477, 78.2420,
322.3516

■ 0.0000, 0.0000,
7.0427


■ 148.4383,


■ 0.0000, 0.0000,

102.3200, 383.9661

3.4100


 184.0460,
130.8912, 452.9705

 0.0000, 0.0000,
1.3076

 0.0000, 0.0000,
0.0680


 16.4037, 6.6050,
84.4147

 16.4037, 6.6050,
84.4147

 16.4046, 6.6055,
84.4150

 17.4770, 7.6493,
84.5600

 19.4585, 9.7732,
84.8655

 22.5441, 13.2685,
85.3775

 26.8668, 18.3172,
86.1242

■ 32.5402, 25.0736,
87.1293

■ 39.6651, 33.6731,
88.4137

■ 48.3326, 44.2374,
89.9959

■ 58.6262, 56.8779,
91.8933

■ 70.6237, 71.6976,
94.1214

Harmonies

Analogous

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



7.7396, 6.6050, 122.6207



16.4037, 6.6050, 84.4147



24.8238, 6.6050, 31.1710

Triad

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



16.4037, 6.6050, 84.4147



12.3256, 6.6050, 0.0000



0.1443, 6.6050, 11.8363

Complementary

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



16.4037, 6.6050, 84.4147



60.6552, 78.4045, 11.9367

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.



0.3822, 6.6050, 0.1601



16.4037, 6.6050, 84.4147



5.0128, 6.6050, 0.0000

Square

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



16.4037, 6.6050, 84.4147



21.5736, 6.6050, 0.0000



1.5155, 6.6050, 0.0000



0.7387, 6.6050, 52.7835

Rectangle

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



16.4037, 6.6050, 84.4147



27.3136, 6.6050, 9.4517



1.5155, 6.6050, 0.0000



0.1296, 6.6050, 5.3241

Sweetspot

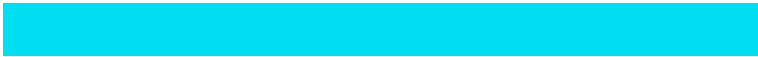
The Sweet Spot groups the original color and five complimentary colors.



16.4046, 6.6055, 84.4150



54.3436, 49.7115, 101.3388



42.1042, 58.5651, 93.0897



10.7030, 9.5058, 21.5206



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.



16.4046, 6.6055, 84.4150



18.4590, 7.4308, 95.0691



27.0400, 12.0882, 84.9128



15.0429, 15.3038, 19.8827



8.8637, 3.5748, 45.3507



0.7860, 0.3225, 3.7750

Inverse Universe

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



49.2684, 23.9374, 68.3292



55.4771, 26.9548, 76.9015



37.1004, 66.2616, 10.8344



16.3826, 16.0028, 19.5712



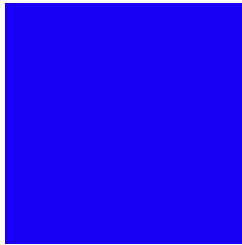
26.4963, 12.8709, 36.8595



2.2237, 1.0785, 3.1687

Previews

White Background



This preview shows how the XYZ color 16.4037, 6.6050, 84.4147 looks on a white background.

Color Contrast Check

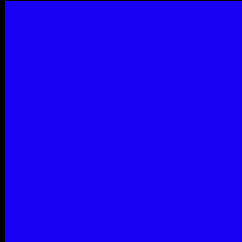
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.4037, 6.6050, 84.4147 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

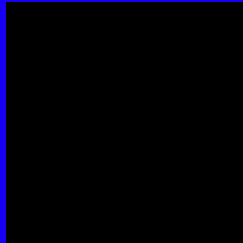
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.4037, 6.6050, 84.4147

Background



This preview shows how black text looks on a background with the XYZ color 16.4037, 6.6050, 84.4147.



This preview shows how white text looks on a background with the XYZ color 16.4037, 6.6050,

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

16.4037, 6.6050, 84.4147

Protanopia

7.6781, 6.6764, 29.3178

Deuteranopia

6.4152, 6.7012, 21.0340



Tritanopia

4.6970, 6.7065, 9.8510

Trichromacy



Original Color

16.4037, 6.6050, 84.4147

Protanomaly

9.5983, 5.3537, 45.3272

Deuteranomaly

8.3310, 5.0366, 38.0692

Tritanomaly

6.2986, 4.4972, 26.5227

Monochromacy



Original Color

16.4037, 6.6050, 84.4147

Achromatopsia

1.5975, 1.6807, 1.8303

Achromatomaly

3.6665, 1.9909, 14.9429

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4037, 6.6050, 84.4147 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(24, 0, 242)` looks like.

```
.text, #text, p{  
    color:rgb(24, 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(24, 0, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 0, 242) }
```

Border

The CSS property to change the border of an element to XYZ 16.4037, 6.6050, 84.4147 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(24, 0, 242) }
```


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

```
.border{ border-color:rgb(24, 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(24, 0, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 0, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 0, 242);  
box-shadow:4px 4px 4px 4px rgb(24, 0, 242)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.4037, 6.6050, 84.4147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 0, 242) }
```

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

```
.background{ background-color: rgb(24, 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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