

Converting Colors

XYZ(16.3744, 6.5855, 84.6095)

Have a look what the booklet for
XYZ(16.3744, 6.5855, 84.6095)
contains.

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Color

**XYZ(16.3363, 6.5702,
84.4116)**

Conversions

Conversions Part 1

Format	Color
Hex	1500F2
RGB	21, 0, 242
RGB Percent	8%, 0%, 95%
CMY	0.9175, 1.0000, 0.0510
CMYK	0.91, 1.00, 0.00, 0.05
HSL	245°, 100%, 47%
HSV	245°, 100%, 95%
XYZ	16.3363, 6.5702, 84.4116
YIQ	33.8670, -65.1660, 79.7140

Conversions

Conversions Part 2

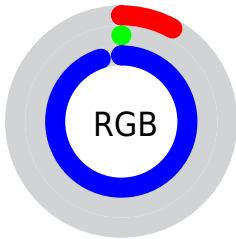
Format	Color
R _Y B	21, 0, 242
Decimal	1376498
CIE Lab	30.81, 76.24, -103.03
CIE LCh	31, 128.168, 306.502
Yxy	6.5702, 0.1522, 0.0612
Android (android.graphics.Color)	4279566578 (0xFF1500F2)
YUV	33.8670, 102.6096, -11.2844
Hunter-Lab	25.6324, 68.9067, -177.3088

Details

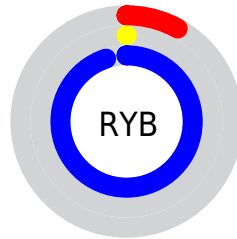
The XYZ color **16.3363, 6.5702, 84.4116** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **61.5583, 78.8701, 11.9790**, and the grayscale version is **1.4406, 1.5156, 1.6505**.

A 20% lighter version of the original color is **28.1253, 15.6653, 96.1491**, and **8.6517, 3.4607, 45.5594** is the 20% darker color. If you saturate the color by 10%, you get **16.3372, 6.5707, 84.4120**, and if you desaturate by 10%, it is **17.3599, 7.5890, 84.5546**.

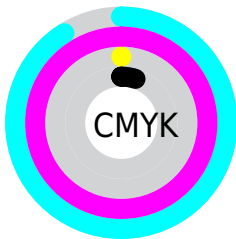
Distribution



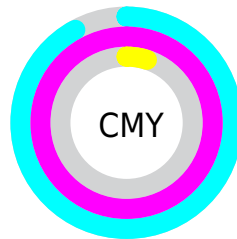
- Red (8%)
- Green (0%)
- Blue (95%)



- Red (8%)
- Yellow (0%)
- Blue (95%)



- Cyan (91%)
- Magenta (100%)
- Yellow (0%)
- Black (5%)



- Cyan (92%)
- Magenta (100%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3363, 6.5702, 84.4116 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 16.3363, 6.5702, 84.4116 by changing the saturation by 10% instead.

■ 16.3363, 6.5702,
84.4116

■ 16.3363, 6.5702,
84.4116

224.5496,
164.0431, 529.7728

■ 9.8548, 3.1948,
62.8080

■ 36.7338, 19.1032,
141.4177

■ 5.3643, 1.2343,
45.2459

■ 51.3805, 29.0296,
177.6571

■ 2.4995, 0.0894,
31.3068

■ 69.4797, 41.9084,
219.6123

■ 0.8950, 0.0000,
20.5721

■ 91.3966, 58.1241,
267.7018

■ 0.0000, 0.0000,
12.6234

■ 117.4968, 78.0610,
322.3440


■ 0.0000, 0.0000,
7.0421


■ 148.1454,


■ 0.0000, 0.0000,

102.1035, 383.9576

3.4096


 183.7079,
130.6361, 452.9610


 0.0000, 0.0000,
1.3074


 0.0000, 0.0000,
0.0678


 16.3363, 6.5702,
84.4116


 16.3363, 6.5702,
84.4116

 16.3372, 6.5707,
84.4120

 17.3599, 7.5890,
84.5546

 19.2960, 9.6894,
84.8580

 22.3448, 13.1657,
85.3683

 26.6425, 18.2016,
86.1138

■ 32.3055, 24.9527,
87.1184

■ 39.4368, 33.5554,
88.4030

■ 48.1293, 44.1326,
89.9865

■ 58.4684, 56.7965,
91.8860

■ 70.5331, 71.6509,
94.1173

Harmonies

Analogous

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



7.6917, 6.5702, 122.5604



16.3363, 6.5702, 84.4116



24.7521, 6.5702, 31.1654

Triad

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



16.3363, 6.5702, 84.4116



12.2933, 6.5702, 0.0000



0.1330, 6.5702, 11.7491

Complementary

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



16.3363, 6.5702, 84.4116



61.5583, 78.8701, 11.9790

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.



0.3723, 6.5702, 0.1408



16.3363, 6.5702, 84.4116



4.9917, 6.5702, 0.0000

Square

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



16.3363, 6.5702, 84.4116



21.5279, 6.5702, 0.0000



1.5036, 6.5702, 0.0000



0.7266, 6.5702, 52.6140

Rectangle

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



16.3363, 6.5702, 84.4116



27.2478, 6.5702, 9.4414



1.5036, 6.5702, 0.0000



0.1187, 6.5702, 5.2692

Sweetspot

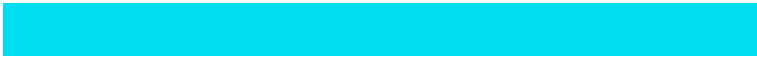
The Sweet Spot groups the original color and five complimentary colors.



16.3372, 6.5707, 84.4120



54.1143, 49.5933, 101.3281



42.1042, 58.5651, 93.0898



10.6509, 9.4789, 21.5182



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.



16.3372, 6.5707, 84.4120



18.3847, 7.3925, 95.0657



27.0400, 12.0882, 84.9128



15.0247, 15.2944, 19.8818



8.8229, 3.5538, 45.3488



0.7773, 0.3180, 3.7746

Inverse Universe

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



49.6637, 24.0955, 70.4107



55.9233, 27.1333, 79.2513



37.1005, 66.2616, 10.8344



16.3915, 16.0063, 19.6179



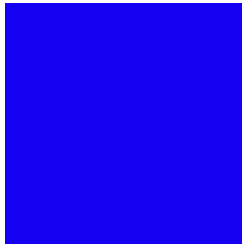
26.7055, 12.9546, 37.9611



2.2389, 1.0846, 3.2490

Previews

White Background



This preview shows how the XYZ color 16.3363, 6.5702, 84.4116 looks on a white background.

Color Contrast Check

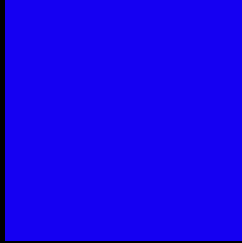
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.3363, 6.5702, 84.4116 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 16.3363, 6.5702, 84.4116

Background



This preview shows how black text looks on a background with the XYZ color 16.3363, 6.5702, 84.4116.



This preview shows how white text looks on a background with the XYZ color 16.3363, 6.5702,

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

16.3363, 6.5702, 84.4116

Protanopia

7.6781, 6.6764, 29.3178

Deuteranopia

6.3503, 6.6752, 20.6924



Tritanopia

4.6970, 6.7065, 9.8510

Trichromacy



Original Color

16.3363, 6.5702, 84.4116

Protanomaly

9.5858, 5.3473, 45.3267

Deuteranomaly

8.2250, 4.9927, 37.5760

Tritanomaly

6.2861, 4.4908, 26.5221

Monochromacy



Original Color

16.3363, 6.5702, 84.4116

Achromatopsia

1.5204, 1.5996, 1.7420

Achromatomaly

3.6081, 1.9608, 14.9402

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3363, 6.5702, 84.4116 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(21, 0, 242)` looks like.

```
.text, #text, p{  
  color:rgb(21, 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(21, 0, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 0, 242) }
```

Border

The CSS property to change the border of an element to XYZ 16.3363, 6.5702, 84.4116 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(21, 0, 242) }
```


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

```
.border{ border-color:rgb(21, 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(21, 0, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 0, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 0, 242);  
box-shadow:4px 4px 4px 4px rgb(21, 0, 242)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.3363, 6.5702, 84.4116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 0, 242) }
```

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

```
.background{ background-color: rgb(21, 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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