

Converting Colors

XYZ(16.3091, 6.5519, 84.6065)

Have a look what the booklet for
XYZ(16.3091, 6.5519, 84.6065)
contains.

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Color

**XYZ(16.2765, 6.5394,
84.4088)**

Conversions

Conversions Part 1

Format	Color
Hex	1200F2
RGB	18, 0, 242
RGB Percent	7%, 0%, 95%
CMY	0.9292, 1.0000, 0.0510
CMYK	0.93, 1.00, 0.00, 0.05
HSL	244°, 100%, 47%
HSV	244°, 100%, 95%
XYZ	16.2765, 6.5394, 84.4088
YIQ	32.9700, -66.9540, 79.0780

Conversions

Conversions Part 2

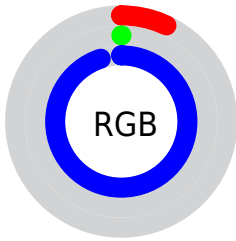
Format	Color
R _Y B	18, 0, 242
Decimal	1179890
CIE Lab	30.73, 76.22, -103.15
CIE LCh	31, 128.253, 306.460
Yxy	6.5394, 0.1518, 0.0610
Android (android.graphics.Color)	4279369970 (0xFF1200F2)
YUV	32.9700, 103.0518, -13.1287
Hunter-Lab	25.5723, 68.8622, -177.8037

Details

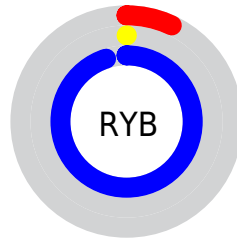
The XYZ color **16.2765, 6.5394, 84.4088** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **62.4782, 79.3443, 12.0220**, and the grayscale version is **1.3753, 1.4470, 1.5757**.

A 20% lighter version of the original color is **27.9859, 15.5934, 96.1425**, and **8.6517, 3.4607, 45.5594** is the 20% darker color. If you saturate the color by 10%, you get **16.2774, 6.5399, 84.4091**, and if you desaturate by 10%, it is **17.2502, 7.5324, 84.5494**.

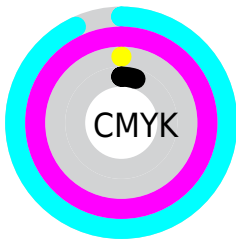
Distribution



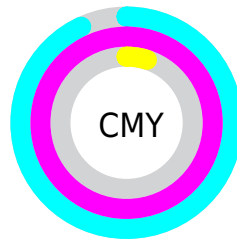
- Red (7%)
- Green (0%)
- Blue (95%)



- Red (7%)
- Yellow (0%)
- Blue (95%)



- Cyan (93%)
- Magenta (100%)
- Yellow (0%)
- Black (5%)



- Cyan (93%)
- Magenta (100%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2765, 6.5394, 84.4088 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 16.2765, 6.5394, 84.4088 by changing the saturation by 10% instead.

■ 16.2765, 6.5394,
84.4088

■ 16.2765, 6.5394,
84.4088

224.2063,
163.7797, 529.7633

■ 9.8121, 3.1758,
62.8057

■ 36.6311, 19.0404,
141.4137

■ 5.3359, 1.2242,
45.2440

■ 51.2521, 28.9466,
177.6525

■ 2.4824, 0.0813,
31.3053

■ 69.3226, 41.8024,
219.6071

■ 0.8864, 0.0000,
20.5710

■ 91.2081, 57.9922,
267.6957

■ 0.0000, 0.0000,
12.6226

■ 117.2738, 77.9005,
322.3372

■ 0.0000, 0.0000,
7.0416


■ 147.8852,


■ 0.0000, 0.0000,


101.9115, 383.9499

3.4093


 183.4076,
130.4098, 452.9524

 0.0000, 0.0000,
1.3072

 0.0000, 0.0000,
0.0677


 16.2765, 6.5394,
84.4088


 16.2765, 6.5394,
84.4088

 16.2774, 6.5399,
84.4091

 17.2502, 7.5324,
84.5494

 19.1400, 9.6090,
84.8507

 22.1510, 13.0658,
85.3592

 26.4226, 18.0882,
86.1035

■ 32.0741, 24.8333,
87.1076

■ 39.2106, 33.4388,
88.3924

■ 47.9272, 44.0284,
89.9770

■ 58.3110, 56.7154,
91.8786

■ 70.4426, 71.6043,
94.1130

Harmonies

Analogous

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



7.6493, 6.5394, 122.5063



16.2765, 6.5394, 84.4088



24.6883, 6.5394, 31.1606

Triad

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



16.2765, 6.5394, 84.4088



12.2647, 6.5394, 0.0000



0.1230, 6.5394, 11.6719

Complementary

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



16.2765, 6.5394, 84.4088



62.4782, 79.3443, 12.0220

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.



0.3636, 6.5394, 0.1236



16.2765, 6.5394, 84.4088



4.9731, 6.5394, 0.0000

Square

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



16.2765, 6.5394, 84.4088



21.4874, 6.5394, 0.0000



1.4931, 6.5394, 0.0000



0.7159, 6.5394, 52.4631

Rectangle

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



16.2765, 6.5394, 84.4088



27.1893, 6.5394, 9.4324



1.4931, 6.5394, 0.0000



0.1091, 6.5394, 5.2207

Sweetspot

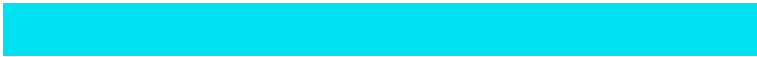
The Sweet Spot groups the original color and five complimentary colors.



16.2774, 6.5399, 84.4091



53.8864, 49.4758, 101.3174



43.1873, 60.7313, 93.4508



10.5991, 9.4522, 21.5158



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.



16.2774, 6.5399, 84.4091



18.3189, 7.3586, 95.0626



26.3655, 11.7405, 84.8813



15.0064, 15.2850, 19.8810



8.7862, 3.5349, 45.3471



0.7686, 0.3135, 3.7742

Inverse Universe

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



50.0663, 24.2566, 72.5308



56.3779, 27.3152, 81.6450



37.5623, 66.4997, 10.8560



16.4004, 16.0099, 19.6648



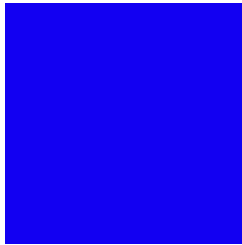
26.9185, 13.0398, 39.0827



2.2544, 1.0908, 3.3307

Previews

White Background



This preview shows how the XYZ color 16.2765, 6.5394, 84.4088 looks on a white background.

Color Contrast Check

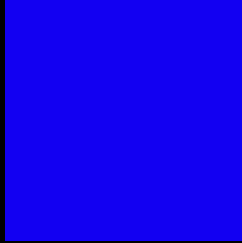
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.2765, 6.5394, 84.4088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

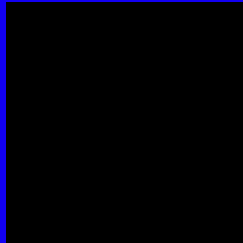
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.2765, 6.5394, 84.4088

Background



This preview shows how black text looks on a background with the XYZ color 16.2765, 6.5394, 84.4088.



This preview shows how white text looks on a background with the XYZ color 16.2765, 6.5394,

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

16.2765, 6.5394, 84.4088

Protanopia

7.6781, 6.6764, 29.3178

Deuteranopia

6.3503, 6.6752, 20.6924



Tritanopia

4.6570, 6.6905, 9.6403

Trichromacy



Original Color

16.2765, 6.5394, 84.4088

Protanomaly

9.5733, 5.3408, 45.3261

Deuteranomaly

8.2125, 4.9862, 37.5754

Tritanomaly

6.1981, 4.4541, 26.1242

Monochromacy



Original Color

16.2765, 6.5394, 84.4088

Achromatopsia

1.4456, 1.5209, 1.6562

Achromatomaly

3.5074, 1.8873, 14.6474

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2765, 6.5394, 84.4088 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(18, 0, 242)` looks like.

```
.text, #text, p{  
    color:rgb(18, 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(18, 0, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 0, 242) }
```

Border

The CSS property to change the border of an element to XYZ 16.2765, 6.5394, 84.4088 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(18, 0, 242) }
```


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

```
.border{ border-color:rgb(18, 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(18, 0, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 0, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 0, 242);  
box-shadow:4px 4px 4px 4px rgb(18, 0, 242)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.2765, 6.5394, 84.4088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 0, 242) }
```

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

```
.background{ background-color: rgb(18, 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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