

Converting Colors

XYZ(16.6543, 6.7299, 84.6226)

Have a look what the booklet for
XYZ(16.6543, 6.7299, 84.6226)
contains.

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Color

**XYZ(16.6227, 6.7179,
84.4250)**

Conversions

Conversions Part 1

Format	Color
Hex	2000F2
RGB	32, 0, 242
RGB Percent	13%, 0%, 95%
CMY	0.8744, 1.0000, 0.0510
CMYK	0.87, 1.00, 0.00, 0.05
HSL	248°, 100%, 47%
HSV	248°, 100%, 95%
XYZ	16.6227, 6.7179, 84.4250
YIQ	37.1560, -58.6100, 82.0460

Conversions

Conversions Part 2

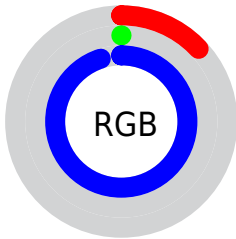
Format	Color
R_{YB}	32, 0, 242
Decimal	2097394
CIE Lab	31.16, 76.36, -102.44
CIE LCh	31, 127.762, 306.701
Yxy	6.7179, 0.1542, 0.0623
Android (android.graphics.Color)	4280287474 (0xFF2000F2)
YUV	37.1560, 100.9881, -4.5218
Hunter-Lab	25.9189, 69.1202, -174.9805

Details

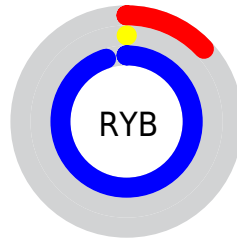
The XYZ color **16.6227, 6.7179, 84.4250** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **58.3229, 77.2022, 11.8276**, and the grayscale version is **1.6953, 1.7836, 1.9423**.

A 20% lighter version of the original color is **28.5523, 15.8854, 96.1691**, and **8.6517, 3.4607, 45.5594** is the 20% darker color. If you saturate the color by 10%, you get **16.6236, 6.7183, 84.4253**, and if you desaturate by 10%, it is **17.8274, 7.8299, 84.5765**.

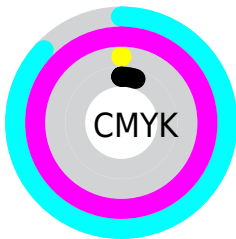
Distribution



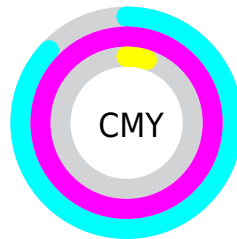
- Red (13%)
- Green (0%)
- Blue (95%)



- Red (13%)
- Yellow (0%)
- Blue (95%)



- Cyan (87%)
- Magenta (100%)
- Yellow (0%)
- Black (5%)



- Cyan (87%)
- Magenta (100%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6227, 6.7179, 84.4250 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 16.6227, 6.7179, 84.4250 by changing the saturation by 10% instead.

■ 16.6227, 6.7179,
84.4250

■ 16.6227, 6.7179,
84.4250

226.1875,
165.2986, 529.8184

■ 10.0595, 3.2863,
62.8190

■ 37.2247, 19.4034,
141.4366

■ 5.5010, 1.2830,
45.2547

■ 51.9942, 29.4261,
177.6792

■ 2.5818, 0.1280,
31.3137

■ 70.2298, 42.4147,
219.6377

■ 0.9367, 0.0000,
20.5774

■ 92.2970, 58.7534,
267.7307

■ 0.0000, 0.0000,
12.6272

■ 118.5609, 78.8268,
322.3767

■ 0.0000, 0.0000,
7.0446


■ 149.3871,

■ 0.0000, 0.0000,


103.0192, 383.9943

3.4112


 185.1409,
131.7150, 453.0020

 0.0000, 0.0000,
1.3082


 0.0000, 0.0000,
0.0685


 16.6227, 6.7179,
84.4250


 16.6227, 6.7179,
84.4250

 16.6236, 6.7183,
84.4253

 17.8274, 7.8299,
84.5765

 19.9262, 10.0143,
84.8875

 23.1048, 13.5575,
85.4038

 27.4880, 18.6375,
86.1533

■ 33.1833, 25.4052,
87.1595

■ 40.2859, 33.9931,
88.4428

■ 48.8820, 44.5207,
90.0217

■ 59.0510, 57.0969,
91.9132

■ 70.8665, 71.8228,
94.1329

Harmonies

Analogous

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



7.8957, 6.7179, 122.8188



16.6227, 6.7179, 84.4250



25.0567, 6.7179, 31.1878

Triad

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



16.6227, 6.7179, 84.4250



12.4298, 6.7179, 0.0000



0.1807, 6.7179, 12.1212

Complementary

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



16.6227, 6.7179, 84.4250



58.3229, 77.2022, 11.8276

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.



0.4138, 6.7179, 0.2225



16.6227, 6.7179, 84.4250



5.0807, 6.7179, 0.0000

Square

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



16.6227, 6.7179, 84.4250



21.7213, 6.7179, 0.0000



1.5540, 6.7179, 0.0000



0.7777, 6.7179, 53.3361

Rectangle

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



16.6227, 6.7179, 84.4250



27.5269, 6.7179, 9.4841



1.5540, 6.7179, 0.0000



0.1646, 6.7179, 5.5042

Sweetspot

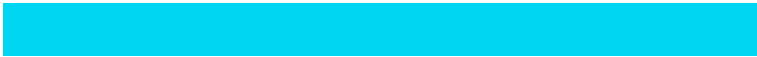
The Sweet Spot groups the original color and five complimentary colors.



16.6236, 6.7183, 84.4253



54.9633, 50.0310, 101.3678



40.0147, 54.3861, 92.3933



10.8444, 9.5787, 21.5273



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.



16.6236, 6.7183, 84.4253



18.7014, 7.5558, 95.0805



28.4642, 12.8224, 84.9795



15.0917, 15.3290, 19.8850



8.9937, 3.6418, 45.3568



0.8092, 0.3344, 3.7761

Inverse Universe

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



48.2476, 23.5291, 62.9537



54.3248, 26.4939, 70.8334



36.2429, 65.8195, 10.7942



16.3590, 15.9933, 19.4467



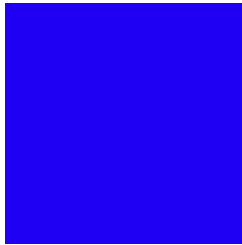
25.9557, 12.6547, 34.0128



2.1840, 1.0627, 2.9599

Previews

White Background



This preview shows how the XYZ color 16.6227, 6.7179, 84.4250 looks on a white background.

Color Contrast Check

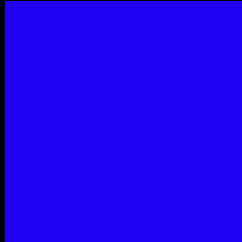
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.6227, 6.7179, 84.4250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

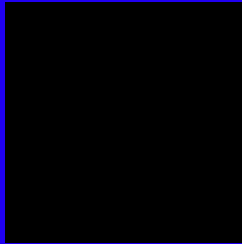
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.6227, 6.7179, 84.4250

Background



This preview shows how black text looks on a background with the XYZ color 16.6227, 6.7179, 84.4250.



This preview shows how white text looks on a background with the XYZ color 16.6227, 6.7179,

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

16.6227, 6.7179, 84.4250

Protanopia

7.9033, 6.8691, 30.1875

Deuteranopia

6.5502, 6.8663, 21.4022



Tritanopia

4.7730, 6.8584, 9.8763

Trichromacy



Original Color

16.6227, 6.7179, 84.4250

Protanomaly

9.7803, 5.4928, 45.8921

Deuteranomaly

8.4114, 5.1394, 38.0848

Tritanomaly

6.3826, 4.6075, 26.5395

Monochromacy



Original Color

16.6227, 6.7179, 84.4250

Achromatopsia

1.7584, 1.8500, 2.0147

Achromatomaly

3.9444, 2.1804, 15.5422

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6227, 6.7179, 84.4250 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(32, 0, 242)` looks like.

```
.text, #text, p{  
    color:rgb(32, 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(32, 0, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 0, 242) }
```

Border

The CSS property to change the border of an element to XYZ 16.6227, 6.7179, 84.4250 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(32, 0, 242) }
```


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

```
.border{ border-color:rgb(32, 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(32, 0, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 0, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 0, 242);  
box-shadow:4px 4px 4px 4px rgb(32, 0, 242)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.6227, 6.7179, 84.4250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 0, 242) }
```

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

```
.background{ background-color: rgb(32, 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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