

Converting Colors

XYZ(16.3014, 6.7203, 76.8191)

Have a look what the booklet for
XYZ(16.3014, 6.7203, 76.8191)
contains.

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Color

**XYZ(16.3104, 6.7257,
76.7825)**

Conversions

Conversions Part 1

Format	Color
Hex	3A00E8
RGB	58, 0, 232
RGB Percent	23%, 0%, 91%
CMY	0.7725, 1.0000, 0.0902
CMYK	0.75, 1.00, 0.00, 0.09
HSL	255°, 100%, 45%
HSV	255°, 100%, 91%
XYZ	16.3104, 6.7257, 76.7825
YIQ	43.7900, -39.9040, 84.4480

Conversions

Conversions Part 2

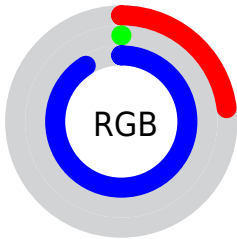
Format	Color
R_{YB}	58, 0, 232
Decimal	3801320
CIE _{Lab}	31.17, 74.51, -96.68
CIE _{LCh}	31, 122.066, 307.622
Yxy	6.7257, 0.1634, 0.0674
Android (android.graphics.Color)	4281991400 (0xFF3A00E8)
YUV	43.7900, 92.7875, 12.4622
Hunter-Lab	25.9340, 66.8779, -157.3858

Details

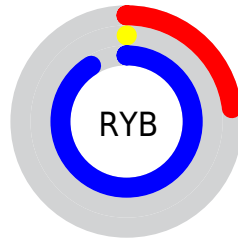
The XYZ color **16.3104, 6.7257, 76.7825** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark washed blue. A complement of this color would be **46.3095, 66.7107, 10.4357**, and the grayscale version is **2.2888, 2.4080, 2.6224**.

A 20% lighter version of the original color is **30.1348, 16.7948, 96.2612**, and **7.6400, 3.0560, 40.2316** is the 20% darker color. If you saturate the color by 10%, you get **16.3112, 6.7262, 76.7828**, and if you desaturate by 10%, it is **17.8099, 7.9595, 76.9419**.

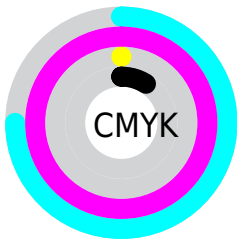
Distribution



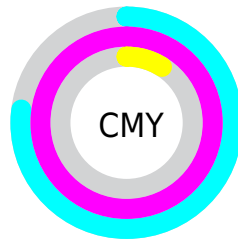
- Red (23%)
- Green (0%)
- Blue (91%)



- Red (23%)
- Yellow (0%)
- Blue (91%)



- Cyan (75%)
- Magenta (100%)
- Yellow (0%)
- Black (9%)



- Cyan (77%)
- Magenta (100%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3104, 6.7257, 76.7825 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 16.3104, 6.7257, 76.7825 by changing the saturation by 10% instead.

■ 16.3104, 6.7257,
76.7825

■ 16.3104, 6.7257,
76.7825

224.4010,
165.3646, 503.4401

■ 9.8363, 3.2912,
56.5639

■ 36.6893, 19.4192,
130.6026

■ 5.3520, 1.2856,
40.2482

■ 51.3249, 29.4470,
165.0412

■ 2.4921, 0.1300,
27.4168

■ 69.4117, 42.4413,
205.0569

■ 0.8913, 0.0000,
17.6513

■ 91.3150, 58.7865,
251.0681

■ 0.0000, 0.0000,
10.5331

■ 117.4002, 78.8671,
303.4935


■ 0.0000, 0.0000,
5.6436


■ 148.0327,


■ 0.0000, 0.0000,


103.0674, 362.7516


2.5644


 183.5779,
131.7717, 429.2610

 0.0000, 0.0000,
0.8740


 0.0000, 0.0000,
0.0000


 16.3104, 6.7257,
76.7825


 16.3104, 6.7257,
76.7825

 16.3112, 6.7262,
76.7828

 17.8099, 7.9595,
76.9419

 20.0533, 10.1289,
77.2424

 23.1873, 13.4851,
77.7250

 27.3056, 18.1787,
78.4139

■ 32.4892, 24.3374,
79.3295

■ 38.8100, 32.0734,
80.4895

■ 46.3333, 41.4879,
81.9102

■ 55.1195, 52.6736,
83.6061

■ 65.2246, 65.7161,
85.5910

Harmonies

Analogous

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



8.0443, 6.7257, 112.7198



16.3104, 6.7257, 76.7825



24.0411, 6.7257, 28.4146

Triad

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



16.3104, 6.7257, 76.7825



11.8538, 6.7257, 0.0000



0.3267, 6.7257, 12.6243

Complementary

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



16.3104, 6.7257, 76.7825



46.3095, 66.7107, 10.4357

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.



0.5248, 6.7257, 0.5086



16.3104, 6.7257, 76.7825



4.9840, 6.7257, 0.0000

Square

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



16.3104, 6.7257, 76.7825



20.5343, 6.7257, 0.0000



1.6256, 6.7257, 0.0000



0.9225, 6.7257, 51.5208

Rectangle

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



16.3104, 6.7257, 76.7825



26.1740, 6.7257, 8.7784



1.6256, 6.7257, 0.0000



0.3030, 6.7257, 6.0383

Sweetspot

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



16.3112, 6.7262, 76.7828



57.2612, 51.2156, 101.4753



29.7017, 36.0984, 81.7465



11.3727, 9.8510, 21.5520



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.



16.3112, 6.7262, 76.7828



20.1491, 8.3021, 95.1482



32.0212, 14.8249, 77.5180



13.9188, 14.0604, 18.1247



9.1524, 3.7841, 42.6312



0.7599, 0.3227, 3.1542

Inverse Universe

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



40.9176, 20.2114, 41.7825



50.6699, 25.0320, 51.5874



30.6017, 58.6130, 9.7006



14.8330, 14.5504, 17.3211



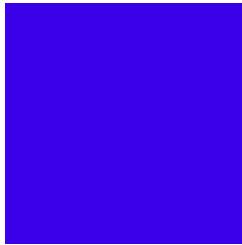
22.7687, 11.2417, 23.4748



1.7191, 0.8453, 1.9273

Previews

White Background



This preview shows how the XYZ color 16.3104, 6.7257, 76.7825 looks on a white background.

Color Contrast Check

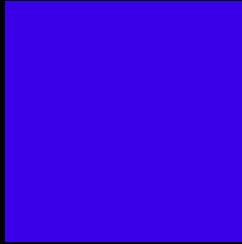
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.3104, 6.7257, 76.7825 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

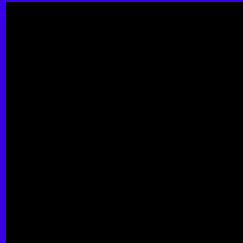
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.3104, 6.7257, 76.7825

Background



This preview shows how black text looks on a background with the XYZ color 16.3104, 6.7257, 76.7825.



This preview shows how white text looks on a background with the XYZ color 16.3104, 6.7257,

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

16.3104, 6.7257, 76.7825

Protanopia

7.9033, 6.8691, 30.1875

Deuteranopia

6.5502, 6.8663, 21.4022



Tritanopia

4.8136, 6.8746, 10.0901

Trichromacy



Original Color

16.3104, 6.7257, 76.7825

Protanomaly

9.5245, 5.4087, 43.7220

Deuteranomaly

8.2905, 5.1092, 36.6256

Tritanomaly

6.3160, 4.5991, 25.3658

Monochromacy



Original Color

16.3104, 6.7257, 76.7825

Achromatopsia

2.3940, 2.5187, 2.7428

Achromatomaly

4.6065, 2.6533, 15.5986

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3104, 6.7257, 76.7825 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(58, 0, 232)` looks like.

```
.text, #text, p{  
    color:rgb(58, 0, 232)  
}
```

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(58, 0, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 0, 232) }
```

Border

The CSS property to change the border of an element to XYZ 16.3104, 6.7257, 76.7825 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(58, 0, 232) }
```


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

```
.border{ border-color:rgb(58, 0, 232) }
```

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

Here you see how a box with a 4 pixel rgb(58, 0, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 0, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 0, 232);  
box-shadow:4px 4px 4px 4px rgb(58, 0, 232)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.3104, 6.7257, 76.7825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 0, 232) }
```

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

```
.background{ background-color: rgb(58, 0,  
232) }
```

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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