

Converting Colors

XYZ(16.4895, 6.7323, 80.6661)

Have a look what the booklet for
XYZ(16.4895, 6.7323, 80.6661)
contains.

XYZ(16.4584, 6.7188, 80.5502)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.4584, 6.7188,
80.5502)**

Conversions

Conversions Part 1

Format	Color
Hex	2F00ED
RGB	47, 0, 237
RGB Percent	18%, 0%, 93%
CMY	0.8156, 1.0000, 0.0706
CMYK	0.80, 1.00, 0.00, 0.07
HSL	252°, 100%, 46%
HSV	252°, 100%, 93%
XYZ	16.4584, 6.7188, 80.5502
YIQ	41.0710, -48.0650, 83.6710

Conversions

Conversions Part 2

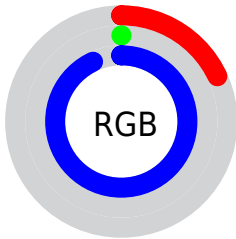
Format	Color
R_{YB}	47, 0, 237
Decimal	3080429
CIE _{Lab}	31.16, 75.42, -99.58
CIE _{LCh}	31, 124.916, 307.141
Yxy	6.7188, 0.1587, 0.0648
Android (android.graphics.Color)	4281270509 (0xFF2F00ED)
YUV	41.0710, 96.5930, 5.1997
Hunter-Lab	25.9206, 67.9780, -166.1033

Details

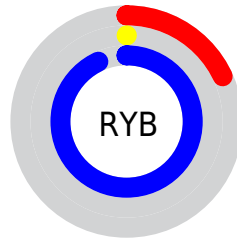
The XYZ color **16.4584, 6.7188, 80.5502** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **51.5151, 71.5135, 11.0884**, and the grayscale version is **2.0326, 2.1385, 2.3288**.

A 20% lighter version of the original color is **29.3565, 16.3936, 96.2248**, and **8.1367, 3.2547, 42.8472** is the 20% darker color. If you saturate the color by 10%, you get **16.4592, 6.7192, 80.5505**, and if you desaturate by 10%, it is **17.8545, 7.9142, 80.7076**.

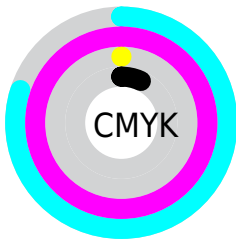
Distribution



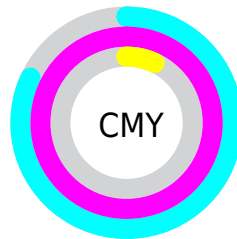
- Red (18%)
- Green (0%)
- Blue (93%)



- Red (18%)
- Yellow (0%)
- Blue (93%)



- Cyan (80%)
- Magenta (100%)
- Yellow (0%)
- Black (7%)



- Cyan (82%)
- Magenta (100%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4584, 6.7188, 80.5502 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 16.4584, 6.7188, 80.5502 by changing the saturation by 10% instead.

■ 16.4584, 6.7188,
80.5502

■ 16.4584, 6.7188,
80.5502

225.2493,
165.3063, 516.5407

■ 9.9420, 3.2869,
59.6424

■ 36.9433, 19.4052,
135.9574

■ 5.4225, 1.2833,
42.7070

■ 51.6424, 29.4285,
171.2938

■ 2.5345, 0.1282,
29.3256

■ 69.7999, 42.4177,
212.2769

■ 0.9127, 0.0000,
19.0796

■ 91.7810, 58.7573,
259.3252

■ 0.0000, 0.0000,
11.5504

■ 117.9512, 78.8315,
312.8571


■ 0.0000, 0.0000,
6.3195


■ 148.6757,


■ 0.0000, 0.0000,

103.0248, 373.2914

2.9684


 184.3199,
131.7216, 441.0464

 0.0000, 0.0000,
1.0785


 0.0000, 0.0000,
0.0000


 16.4584, 6.7188,
80.5502


 16.4584, 6.7188,
80.5502

 16.4592, 6.7192,
80.5505

 17.8545, 7.9142,
80.7076

 20.0663, 10.1116,
81.0152

 23.2561, 13.5775,
81.5161

 27.5303, 18.4747,
82.2360

■ 32.9805, 24.9410,
83.1969

■ 39.6884, 33.0979,
84.4178

■ 47.7279, 43.0546,
85.9159

■ 57.1674, 54.9111,
87.7069

■ 68.0701, 68.7600,
89.8054

Harmonies

Analogous

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



7.9643, 6.7188, 117.6908



16.4584, 6.7188, 80.5502



24.5378, 6.7188, 29.7861

Triad

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



16.4584, 6.7188, 80.5502



12.1382, 6.7188, 0.0000



0.2528, 6.7188, 12.3588

Complementary

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



16.4584, 6.7188, 80.5502



51.5151, 71.5135, 11.0884

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.



0.4686, 6.7188, 0.3632



16.4584, 6.7188, 80.5502



5.0314, 6.7188, 0.0000

Square

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



16.4584, 6.7188, 80.5502



21.1195, 6.7188, 0.0000



1.5889, 6.7188, 0.0000



0.8477, 6.7188, 52.3981

Rectangle

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



16.4584, 6.7188, 80.5502



26.8385, 6.7188, 9.1295



1.5889, 6.7188, 0.0000



0.2329, 6.7188, 5.7595

Sweetspot

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



16.4592, 6.7192, 80.5505



56.2353, 50.6867, 101.4273



34.4780, 44.4982, 86.8929



11.1361, 9.7290, 21.5409



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.



16.4592, 6.7192, 80.5505



19.3946, 7.9132, 95.1129



30.1763, 13.7906, 81.1925



14.5102, 14.6928, 18.9935



9.0703, 3.7118, 43.9814



0.7884, 0.3307, 3.4572

Inverse Universe

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



44.2175, 21.7215, 50.5672



52.1885, 25.6394, 59.5838



33.1899, 62.0665, 10.2307



15.5793, 15.2596, 18.3358



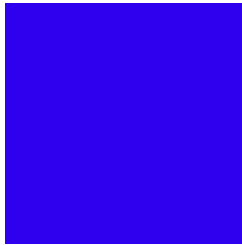
24.1888, 11.8782, 27.8592



1.9320, 0.9458, 2.3591

Previews

White Background



This preview shows how the XYZ color 16.4584, 6.7188, 80.5502 looks on a white background.

Color Contrast Check

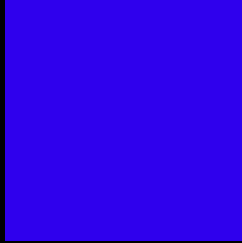
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.4584, 6.7188, 80.5502 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

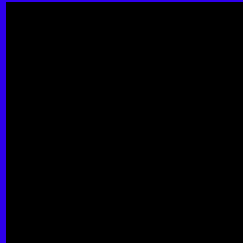
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.4584, 6.7188, 80.5502

Background



This preview shows how black text looks on a background with the XYZ color 16.4584, 6.7188, 80.5502.



This preview shows how white text looks on a background with the XYZ color 16.4584, 6.7188,

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

16.4584, 6.7188, 80.5502

Protanopia

7.9033, 6.8691, 30.1875

Deuteranopia

6.5502, 6.8663, 21.4022



Tritanopia

4.8136, 6.8746, 10.0901

Trichromacy



Original Color

16.4584, 6.7188, 80.5502

Protanomaly

9.6517, 5.4506, 44.7993

Deuteranomaly

8.3974, 5.1429, 37.5959

Tritanomaly

6.3868, 4.6184, 26.1460

Monochromacy



Original Color

16.4584, 6.7188, 80.5502

Achromatopsia

2.1076, 2.2174, 2.4147

Achromatomaly

4.2903, 2.4222, 15.5706

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4584, 6.7188, 80.5502 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(47, 0, 237)` looks like.

```
.text, #text, p{  
    color:rgb(47, 0, 237)  
}
```

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(47, 0, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 0, 237) }
```

Border

The CSS property to change the border of an element to XYZ 16.4584, 6.7188, 80.5502 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(47, 0, 237) }
```


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

```
.border{ border-color:rgb(47, 0, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 0, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 0, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 0, 237);  
box-shadow:4px 4px 4px 4px rgb(47, 0, 237)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.4584, 6.7188, 80.5502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 0, 237) }
```

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

```
.background{ background-color: rgb(47, 0,  
237) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor