

Converting Colors

XYZ(16.3143, 6.8875, 73.1074)

Have a look what the booklet for
XYZ(16.3143, 6.8875, 73.1074)
contains.

XYZ(16.3033, 6.8835, 73.1424)	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(16.3033, 6.8835,
73.1424)**

Conversions

Conversions Part 1

Format	Color
Hex	4405E3
RGB	68, 5, 227
RGB Percent	27%, 2%, 89%
CMY	0.7333, 0.9805, 0.1098
CMYK	0.70, 0.98, 0.00, 0.11
HSL	257°, 96%, 45%
HSV	257°, 98%, 89%
XYZ	16.3033, 6.8835, 73.1424
YIQ	49.1450, -33.7140, 82.3980

Conversions

Conversions Part 2

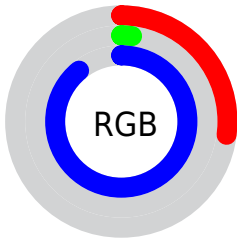
Format	Color
RYB	68, 5, 227
Decimal	4457955
CIELab	31.54, 72.90, -93.19
CIELCh	32, 118.317, 308.033
Yxy	6.8835, 0.1692, 0.0715
Android (android.graphics.Color)	4282648035 (0xFF4405E3)
YUV	49.1450, 87.6825, 16.5358
Hunter-Lab	26.2364, 65.0061, -146.9243

Details

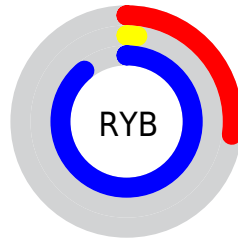
The XYZ color **16.3033, 6.8835, 73.1424** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **42.8004, 62.8387, 10.0163**, and the grayscale version is **2.8435, 2.9916, 3.2578**.

A 20% lighter version of the original color is **31.0800, 17.4741, 96.3425**, and **7.2557, 2.9023, 38.2080** is the 20% darker color. If you saturate the color by 10%, you get **16.0085, 6.6510, 73.1133**, and if you desaturate by 10%, it is **17.9530, 8.2587, 73.3212**.

Distribution



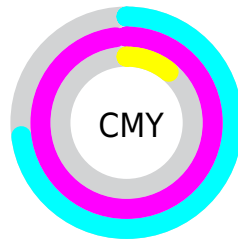
- Red (27%)
- Green (2%)
- Blue (89%)



- Red (27%)
- Yellow (2%)
- Blue (89%)



- Cyan (70%)
- Magenta (98%)
- Yellow (0%)
- Black (11%)



- Cyan (73%)
- Magenta (98%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3033, 6.8835, 73.1424 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 16.3033, 6.8835, 73.1424 by changing the saturation by 10% instead.

■ 16.3033, 6.8835,
73.1424

■ 16.3033, 6.8835,
73.1424

224.3602,
166.6921, 490.5922

■ 9.8312, 3.3893,
53.5999

■ 36.6772, 19.7385,
125.4021

■ 5.3486, 1.3382,
37.8909

■ 51.3097, 29.8681,
158.9564

■ 2.4901, 0.1705,
25.5968

■ 69.3930, 42.9783,
198.0184

■ 0.8903, 0.0000,
16.2992

■ 91.2926, 59.4535,
243.0066

■ 0.0000, 0.0000,
9.5795

■ 117.3738, 79.6780,
294.3395


■ 0.0000, 0.0000,
5.0191


■ 148.0019,

■ 0.0000, 0.0000,


104.0364, 352.4357

2.1995


 183.5422,
132.9130, 417.7138


 0.0000, 0.0000,
0.6741


 0.0000, 0.0000,
0.0000


 16.3033, 6.8835,
73.1424

 16.3033, 6.8835,
73.1424

 16.0085, 6.6510,
73.1133

 17.9530, 8.2587,
73.3212

 20.3356, 10.5993,
73.6473

 23.5594, 14.0885,
74.1509

 27.7063, 18.8614,
74.8536

■ 32.8478, 25.0336,
75.7740

■ 39.0476, 32.7075,
76.9284

■ 46.3639, 41.9756,
78.3318

■ 54.8505, 52.9231,
79.9975

■ 64.5577, 65.6287,
81.9383

Harmonies

Analogous

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



8.2574, 6.8835, 107.4548



16.3033, 6.8835, 73.1424



23.6851, 6.8835, 27.3724

Triad

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



16.3033, 6.8835, 73.1424



11.7636, 6.8835, 0.0000



0.4588, 6.8835, 13.0067

Complementary

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



16.3033, 6.8835, 73.1424



42.8004, 62.8387, 10.0163

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.



0.6401, 6.8835, 0.7075



16.3033, 6.8835, 73.1424



5.0833, 6.8835, 0.0000

Square

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



16.3033, 6.8835, 73.1424



20.1442, 6.8835, 0.0000



1.7496, 6.8835, 0.0000



1.0603, 6.8835, 50.5480

Rectangle

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



16.3033, 6.8835, 73.1424



25.6618, 6.8835, 8.6654



1.7496, 6.8835, 0.0000



0.4321, 6.8835, 6.4350

Sweetspot

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



16.3039, 6.8835, 73.1426



58.9530, 52.8507, 101.7018



27.2200, 32.1632, 77.4468



11.7231, 10.1749, 21.5960



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.



16.3039, 6.8835, 73.1426



20.7518, 8.6128, 95.1764



32.4857, 15.2256, 73.8999



13.9651, 14.0843, 18.1268



9.4351, 3.9299, 42.6444



0.7862, 0.3362, 3.1554

Inverse Universe

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



38.4310, 19.1184, 36.7731



49.7465, 24.6626, 46.7245



28.9692, 55.7085, 9.3690



14.8115, 14.5418, 17.2077



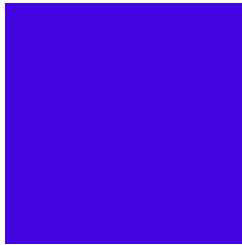
22.3598, 11.0782, 21.3217



1.6917, 0.8344, 1.7830

Previews

White Background



This preview shows how the XYZ color 16.3033, 6.8835, 73.1424 looks on a white background.

Color Contrast Check

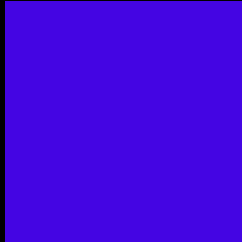
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.3033, 6.8835, 73.1424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

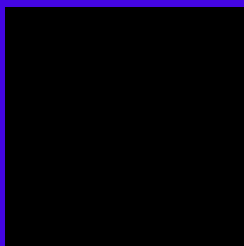
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.3033, 6.8835, 73.1424

Background



This preview shows how black text looks on a background with the XYZ color 16.3033, 6.8835, 73.1424.



This preview shows how white text looks on a background with the XYZ color 16.3033, 6.8835,

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

16.3033, 6.8835, 73.1424

Protanopia

8.0500, 7.0321, 30.6388

Deuteranopia

6.6868, 7.0338, 21.7741



Tritanopia

4.8547, 6.8911, 10.3068

Trichromacy



Original Color

16.3033, 6.8835, 73.1424

Protanomaly

9.5945, 5.5753, 43.2183

Deuteranomaly

8.3763, 5.2909, 36.1771

Tritanomaly

6.4273, 4.8031, 25.0144

Monochromacy



Original Color

16.3033, 6.8835, 73.1424

Achromatopsia

2.9193, 3.0713, 3.3447

Achromatomaly

5.2120, 3.1434, 16.2516

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3033, 6.8835, 73.1424 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(68, 5, 227)` looks like.

```
.text, #text, p{  
    color:rgb(68, 5, 227)  
}
```

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(68, 5, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 5, 227) }
```

Border

The CSS property to change the border of an element to XYZ 16.3033, 6.8835, 73.1424 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(68, 5, 227) }
```


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

```
.border{ border-color:rgb(68, 5, 227) }
```

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

Here you see how a box with a 4 pixel rgb(68, 5, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 5, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 5, 227);  
box-shadow:4px 4px 4px 4px rgb(68, 5, 227)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.3033, 6.8835, 73.1424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 5, 227) }
```

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

```
.background{ background-color: rgb(68, 5,  
227) }
```

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