

Converting Colors

XYZ(16.4179, 8.1732, 65.0022)

Have a look what the booklet for
XYZ(16.4179, 8.1732, 65.0022)
contains.

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Color

**XYZ(16.4179, 8.1732,
65.0022)**

Conversions

Conversions Part 1

Format	Color
Hex	5128D7
RGB	81, 40, 215
RGB Percent	32%, 16%, 84%
CMY	0.6823, 0.8432, 0.1569
CMYK	0.62, 0.81, 0.00, 0.16
HSL	254°, 69%, 50%
HSV	254°, 81%, 84%
XYZ	16.4179, 8.1732, 65.0022
YIQ	72.2090, -31.7390, 63.1170

Conversions

Conversions Part 2

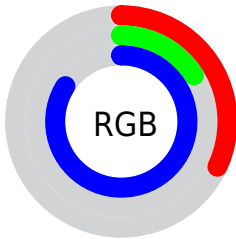
Format	Color
R_{YB}	81, 40, 215
Decimal	5318871
CIE _{Lab}	34.34, 61.47, -81.61
CIE _{LCh}	34, 102.171, 306.989
Yxy	8.1732, 0.1832, 0.0912
Android (android.graphics.Color)	4283508951 (0xFF5128D7)
YUV	72.2090, 70.3960, 7.7097
Hunter-Lab	28.5888, 52.4781, -114.7951

Details

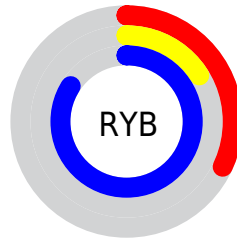
The XYZ color **16.4179, 8.1732, 65.0022** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed blue. A complement of this color would be **42.1366, 57.7516, 10.9335**, and the grayscale version is **6.0826, 6.3993, 6.9689**.

A 20% lighter version of the original color is **33.7312, 20.9853, 96.8805**, and **6.2580, 2.5032, 32.9542** is the 20% darker color. If you saturate the color by 10%, you get **14.6403, 6.4636, 64.7662**, and if you desaturate by 10%, it is **18.9411, 10.8643, 65.3889**.

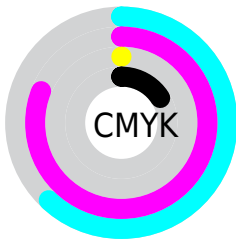
Distribution



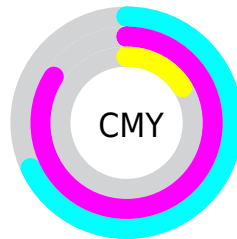
- Red (32%)
- Green (16%)
- Blue (84%)



- Red (32%)
- Yellow (16%)
- Blue (84%)



- Cyan (62%)
- Magenta (81%)
- Yellow (0%)
- Black (16%)



- Cyan (68%)
- Magenta (84%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4179, 8.1732, 65.0022 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 16.4179, 8.1732, 65.0022 by changing the saturation by 10% instead.

■ 16.4179, 8.1732,
65.0022

■ 16.4179, 8.1732,
65.0022

225.0174,
177.0843, 461.1063

■ 9.9131, 4.2060,
47.0115

■ 36.8738, 22.2973,
113.6663

■ 5.4032, 1.7894,
32.6903

■ 51.5556, 33.2229,
145.1768

■ 2.5229, 0.4806,
21.6202

■ 69.6938, 47.2369,
182.0310

■ 0.9068, 0.0000,
13.3824

■ 91.6536, 64.7234,
224.6475

■ 0.0000, 0.0000,
7.5586

■ 117.8006, 86.0671,
273.4447

■ 0.0000, 0.0000,
3.7301

■ 148.5000,

■ 0.0000, 0.0000,

111.6522, 328.8412

1.4785

184.1171,
141.8631, 391.2556

■ 0.0000, 0.0000,
0.2018

■ 0.0000, 0.0000,
0.0000

■ 16.4179, 8.1732,
65.0022

■ 16.4179, 8.1732,
65.0022

■ 14.6403, 6.4636,
64.7662

■ 18.9411, 10.8643,
65.3889

■ 13.6002, 5.5942,
64.6532

■ 22.2892, 14.6651,
65.9461

■ 26.5325, 19.6842,
66.6912

■ 31.7327, 26.0168,
67.6394

■ 37.9459, 33.7485,
68.8043

■ 45.2238, 42.9576,
70.1983

■ 53.6142, 53.7166,
71.8328

■ 63.1623, 66.0931,
73.7184

■ 73.9105, 80.1506,
75.8653

Harmonies

Analogous

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



9.1816, 8.1732, 90.7356



16.4179, 8.1732, 65.0022



22.8787, 8.1732, 27.7045

Triad

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



16.4179, 8.1732, 65.0022



12.8960, 8.1732, 0.0000



1.1739, 8.1732, 13.2974

Complementary

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



16.4179, 8.1732, 65.0022



42.1366, 57.7516, 10.9335

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.



1.4131, 8.1732, 1.4001



16.4179, 8.1732, 65.0022



6.5081, 8.1732, 0.0000

Square

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



16.4179, 8.1732, 65.0022



20.2433, 8.1732, 0.0000



2.8598, 8.1732, 0.0000



1.8866, 8.1732, 44.3620

Rectangle

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



16.4179, 8.1732, 65.0022



24.6872, 8.1732, 10.6541



2.8598, 8.1732, 0.0000



1.1551, 8.1732, 7.3485

Sweetspot

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



16.4185, 8.1733, 65.0025



63.3497, 59.1451, 102.6850



28.3089, 35.6937, 69.6877



12.7304, 11.6099, 21.8199



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.



16.4185, 8.1733, 65.0025



20.1979, 8.4094, 95.1664



29.2438, 14.7851, 65.6027



12.0123, 12.1477, 15.6491



8.2129, 3.3864, 38.6739



0.5697, 0.2426, 2.3361

Inverse Universe

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



36.4220, 19.0200, 41.7904



51.3090, 25.3762, 54.6796



28.5827, 50.7643, 10.2992



12.8228, 12.5806, 15.0069



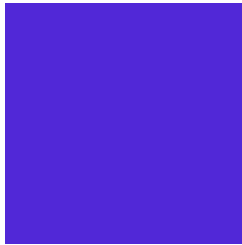
20.8459, 10.2747, 22.2905



1.2882, 0.6321, 1.5070

Previews

White Background



This preview shows how the XYZ color 16.4179, 8.1732, 65.0022 looks on a white background.

Color Contrast Check

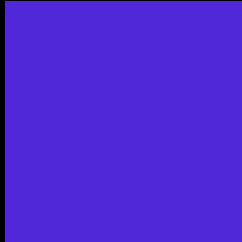
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.4179, 8.1732, 65.0022 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

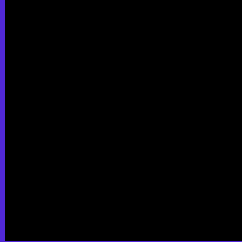
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.4179, 8.1732, 65.0022

Background



This preview shows how black text looks on a background with the XYZ color 16.4179, 8.1732, 65.0022.



This preview shows how white text looks on a background with the XYZ color 16.4179, 8.1732,

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

16.4179, 8.1732, 65.0022

Protanopia

9.4252, 8.1291, 36.1943

Deuteranopia

7.8269, 8.0800, 25.9580



Tritanopia

5.7300, 8.0078, 12.5529

Trichromacy



Original Color

16.4179, 8.1732, 65.0022

Protanomaly

10.8873, 7.3469, 45.6440

Deuteranomaly

9.4889, 7.0655, 37.4229

Tritanomaly

7.4936, 6.6611, 25.7017

Monochromacy



Original Color

16.4179, 8.1732, 65.0022

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

8.1556, 6.1828, 19.8323

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4179, 8.1732, 65.0022 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(81, 40, 215)` looks like.

```
.text, #text, p{  
    color:rgb(81, 40, 215)  
}
```

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(81, 40, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 40, 215) }
```

Border

The CSS property to change the border of an element to XYZ 16.4179, 8.1732, 65.0022 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(81, 40, 215) }
```


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

```
.border{ border-color:rgb(81, 40, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 40, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 40, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 40, 215);  
box-shadow:4px 4px 4px 4px rgb(81, 40,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4179, 8.1732, 65.0022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 40, 215) }
```

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

```
.background{ background-color: rgb(81, 40,  
215) }
```

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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