

Converting Colors

XYZ(17.6049, 8.1338, 83.8612)

Have a look what the booklet for
XYZ(17.6049, 8.1338, 83.8612)
contains.

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Color

**XYZ(17.6049, 8.1338,
83.8612)**

Conversions

Conversions Part 1

Format	Color
Hex	2E23F1
RGB	46, 35, 241
RGB Percent	18%, 14%, 95%
CMY	0.8195, 0.8628, 0.0549
CMYK	0.81, 0.85, 0.00, 0.05
HSL	243°, 88%, 54%
HSV	243°, 85%, 95%
XYZ	17.6049, 8.1338, 83.8612
YIQ	61.7730, -59.5700, 66.3980

Conversions

Conversions Part 2

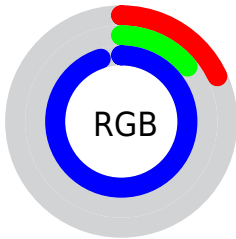
Format	Color
R_{YB}	46, 35, 241
Decimal	3023857
CIE Lab	34.26, 68.38, -96.67
CIE LCh	34, 118.411, 305.272
Yxy	8.1338, 0.1606, 0.0742
Android (android.graphics.Color)	4281213937 (0xFF2E23F1)
YUV	61.7730, 88.3589, -13.8329
Hunter-Lab	28.5198, 60.2760, -154.3756

Details


The XYZ color **17.6049, 8.1338, 83.8612** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **64.3845, 79.8514, 13.6091**, and the grayscale version is **4.4301, 4.6608, 5.0756**.

A 20% lighter version of the original color is **30.5930, 18.8666, 96.6369**, and **8.5472, 3.4189, 45.0092** is the 20% darker color. If you saturate the color by 10%, you get **16.3538, 6.7724, 83.6647**, and if you desaturate by 10%, it is **19.8881, 10.7474, 84.2457**.

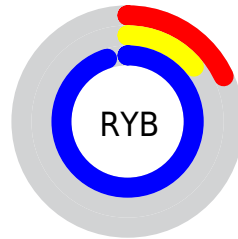
Distribution



 Red (18%)

 Green (14%)

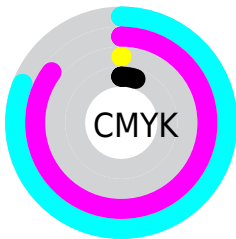
 Blue (95%)





 Red (18%)

 Yellow (14%)

 Blue (95%)

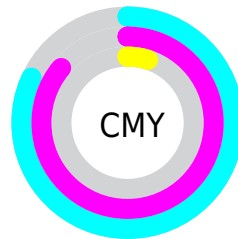


 Cyan (81%)

 Magenta (85%)

 Yellow (0%)

 Black (5%)



 Cyan (82%)

 Magenta (86%)

 Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.6049, 8.1338, 83.8612 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 17.6049, 8.1338, 83.8612 by changing the saturation by 10% instead.

■ 17.6049, 8.1338,
83.8612

■ 17.6049, 8.1338,
83.8612

231.7234,
176.7777, 527.8982

■ 10.7647, 4.1807,
62.3561

■ 38.8983, 22.2203,
140.6410

■ 5.9749, 1.7751,
44.8829

■ 54.0822, 33.1225,
176.7528

■ 2.8704, 0.4716,
31.0229

■ 72.7780, 47.1099,
218.5706

■ 1.0856, 0.0000,
20.3577

■ 95.3511, 64.5668,
266.5129

■ 0.0130, 0.0000,
12.4687

■ 122.1668, 85.8776,
320.9983

■ 0.0000, 0.0000,
6.9373

■ 153.5906,

■ 0.0000, 0.0000,

111.4268, 382.4452

3.3451

189.9877,
141.5987, 451.2724

■ 0.0000, 0.0000,
1.2734

■ 0.0000, 0.0000,
0.0399

■ 17.6049, 8.1338,
83.8612

■ 17.6049, 8.1338,
83.8612

■ 16.3538, 6.7724,
83.6647

■ 19.8881, 10.7474,
84.2457

■ 16.0417, 6.4357,
83.6161

■ 23.3629, 14.8239,
84.8493

■ 28.1636, 20.5353,
85.6987

■ 34.4056, 28.0298,
86.8163

■ 42.1921, 37.4391,
88.2221

■ 51.6166, 48.8823,
89.9342

■ 62.7652, 62.4689,
91.9690

■ 75.7181, 78.3006,
94.3422

■ 90.5504, 96.4724,
97.0679

Harmonies

Analogous

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



8.9552, 8.1338, 116.5113



17.6049, 8.1338, 83.8612



25.9079, 8.1338, 34.3786

Triad

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



17.6049, 8.1338, 83.8612



14.3387, 8.1338, 0.0000



0.7265, 8.1338, 12.6285

Complementary

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



17.6049, 8.1338, 83.8612



64.3845, 79.8514, 13.6091

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.



0.9870, 8.1338, 0.6667



17.6049, 8.1338, 83.8612



6.6237, 8.1338, 0.0000

Square

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



17.6049, 8.1338, 83.8612



23.3861, 8.1338, 0.0000



2.4780, 8.1338, 0.0000



1.3128, 8.1338, 50.7154

Rectangle

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



17.6049, 8.1338, 83.8612



28.4962, 8.1338, 12.1986



2.4780, 8.1338, 0.0000



0.7241, 8.1338, 6.1882

Sweetspot

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



17.6056, 8.1338, 83.8615



57.9841, 54.7251, 102.1146



45.0622, 63.6922, 93.1382



11.5763, 10.6989, 21.7049



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.



17.6056, 8.1338, 83.8615



18.2256, 7.3105, 95.0582



28.7447, 13.8763, 84.3828



14.9755, 15.2691, 19.8795



8.7328, 3.5073, 45.3446



0.7538, 0.3059, 3.7735

Inverse Universe

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



51.1563, 25.6144, 77.0939



57.1703, 27.6321, 85.8178



40.6153, 67.5979, 12.4967



16.4156, 16.0160, 19.7447



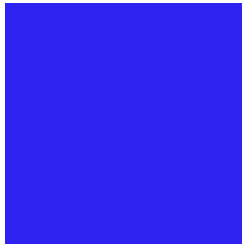
27.2896, 13.1883, 41.0371



2.2813, 1.1016, 3.4724

Previews

White Background



This preview shows how the XYZ color 17.6049, 8.1338, 83.8612 looks on a white background.

Color Contrast Check

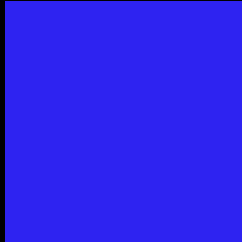
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.6049, 8.1338, 83.8612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

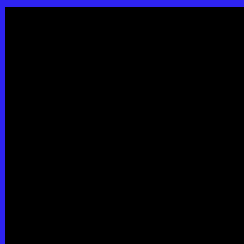
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.6049, 8.1338, 83.8612

Background



This preview shows how black text looks on a background with the XYZ color 17.6049, 8.1338, 83.8612.



This preview shows how white text looks on a background with the XYZ color 17.6049, 8.1338,

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

17.6049, 8.1338, 83.8612

Protanopia

9.1755, 7.9164, 35.2268

Deuteranopia

7.5327, 7.8407, 24.7833



Tritanopia

5.5482, 7.9351, 11.5951

Trichromacy



Original Color

17.6049, 8.1338, 83.8612

Protanomaly

11.3578, 7.3260, 50.1057

Deuteranomaly

9.8593, 6.9949, 41.3879

Tritanomaly

7.6257, 6.4820, 28.4530

Monochromacy



Original Color

17.6049, 8.1338, 83.8612

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

6.6896, 4.8290, 20.6582

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6049, 8.1338, 83.8612 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(46, 35, 241)` looks like.

```
.text, #text, p{  
    color:rgb(46, 35, 241)  
}
```

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(46, 35, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 35, 241) }
```

Border

The CSS property to change the border of an element to XYZ 17.6049, 8.1338, 83.8612 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(46, 35, 241) }
```


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

```
.border{ border-color:rgb(46, 35, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 35, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 35, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 35, 241);  
box-shadow:4px 4px 4px 4px rgb(46, 35,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 17.6049, 8.1338, 83.8612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 35, 241) }
```

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

```
.background{ background-color: rgb(46, 35,  
241) }
```

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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