

Converting Colors

XYZ(18.4381, 8.0539, 88.5798)

Have a look what the booklet for
XYZ(18.4381, 8.0539, 88.5798)
contains.

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Color

**XYZ(18.4305, 8.0468,
88.5775)**

Conversions

Conversions Part 1

Format	Color
Hex	3218F7
RGB	50, 24, 247
RGB Percent	20%, 9%, 97%
CMY	0.8039, 0.9059, 0.0314
CMYK	0.80, 0.90, 0.00, 0.03
HSL	247°, 93%, 53%
HSV	247°, 90%, 97%
XYZ	18.4305, 8.0468, 88.5775
YIQ	57.1960, -56.0870, 74.8650

Conversions

Conversions Part 2

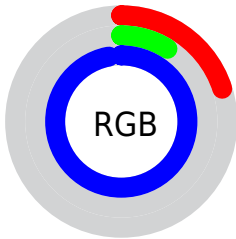
Format	Color
R _Y B	50, 24, 247
Decimal	3283191
CIE Lab	34.08, 73.54, -100.36
CIE LCh	34, 124.418, 306.233
Yxy	8.0468, 0.1602, 0.0699
Android (android.graphics.Color)	4281473271 (0xFF3218F7)
YUV	57.1960, 93.5734, -6.3109
Hunter-Lab	28.3669, 66.3328, -165.2802

Details

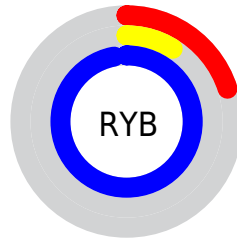
The XYZ color **18.4305, 8.0468, 88.5775** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **63.2365, 81.9558, 13.3497**, and the grayscale version is **3.8014, 3.9994, 4.3553**.

A 20% lighter version of the original color is **30.5830, 18.1601, 96.5011**, and **9.1853, 3.6741, 48.3692** is the 20% darker color. If you saturate the color by 10%, you get **17.2904, 6.9741, 88.4309**, and if you desaturate by 10%, it is **20.5341, 10.2576, 88.8937**.

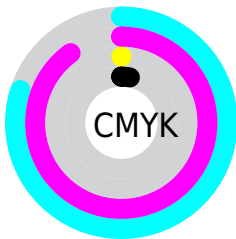
Distribution



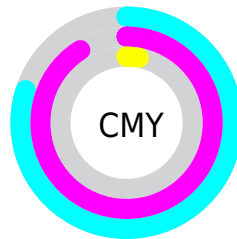
- Red (20%)
- Green (9%)
- Blue (97%)



- Red (20%)
- Yellow (9%)
- Blue (97%)



- Cyan (80%)
- Magenta (90%)
- Yellow (0%)
- Black (3%)




- Cyan (80%)
- Magenta (91%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.4305, 8.0468, 88.5775 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 18.4305, 8.0468, 88.5775 by changing the saturation by 10% instead.


 18.4305, 8.0468,
88.5775


 18.4305, 8.0468,
88.5775


236.2854,
176.0986, 543.8428


 11.3611, 4.1249,
66.2344


 40.2939, 22.0501,
147.2791


 6.3793, 1.7437,
48.0050


 55.8186, 32.9004,
184.4747

 3.1199, 0.4517,
33.4708


 74.8923, 46.8289,
227.4581

 1.2175, 0.0000,
22.2133

 97.8806, 64.2200,
276.6480

 0.1201, 0.0000,
13.8139

 125.1487, 85.4581,
332.4629

 0.0000, 0.0000,
7.8541


 157.0619,


 0.0000, 0.0000,


110.9277, 395.3213

3.9153


 193.9857,
141.0130, 465.6418


 0.0000, 0.0000,
1.5790

 0.0000, 0.0000,
0.2758


 18.4305, 8.0468,
88.5775


 18.4305, 8.0468,
88.5775

 17.2904, 6.9741,
88.4309

 20.5341, 10.2576,
88.8937

 23.7773, 13.8933,
89.4245

 28.2968, 19.1444,
90.1999

 34.2091, 26.1720,
91.2447

■ 41.6174, 35.1173,
92.5809

■ 50.6149, 46.1073,
94.2279

■ 61.2874, 59.2581,
96.2038

■ 73.7143, 74.6770,
98.5250

■ 87.9700, 92.4643,
101.2069

Harmonies

Analogous

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



9.1759, 8.0468, 126.0954



18.4305, 8.0468, 88.5775



27.2584, 8.0468, 34.6057

Triad

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



18.4305, 8.0468, 88.5775



14.3119, 8.0468, 0.0000



0.5667, 8.0468, 13.5508

Complementary

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



18.4305, 8.0468, 88.5775



63.2365, 81.9558, 13.3497

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.



0.8063, 8.0468, 0.6024



18.4305, 8.0468, 88.5775



6.3003, 8.0468, 0.0000

Square

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



18.4305, 8.0468, 88.5775



24.0436, 8.0468, 0.0000



2.1920, 8.0468, 0.0000



1.1717, 8.0468, 55.6282

Rectangle

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



18.4305, 8.0468, 88.5775



29.8890, 8.0468, 11.4928



2.1920, 8.0468, 0.0000



0.5553, 8.0468, 6.5015

Sweetspot

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



18.4312, 8.0468, 88.5778



57.9362, 53.8949, 101.9569



43.0169, 58.6132, 97.0423



11.6074, 10.5610, 21.6766



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.



18.4312, 8.0468, 88.5778



18.5784, 7.4924, 95.0747



31.9166, 14.9988, 89.2089



15.7607, 16.0193, 20.8039



9.2037, 3.7190, 46.7708



0.8660, 0.3563, 4.1134

Inverse Universe

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



51.7320, 25.6462, 70.6121



54.8634, 26.7094, 73.6699



39.7912, 69.8693, 12.2525



17.1255, 16.7330, 20.4072



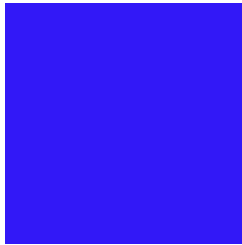
27.0255, 13.1536, 36.4382



2.3984, 1.1653, 3.3244

Previews

White Background



This preview shows how the XYZ color 18.4305, 8.0468, 88.5775 looks on a white background.

Color Contrast Check

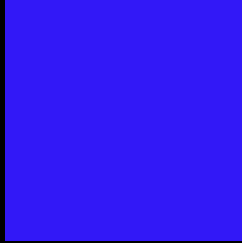
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.4305, 8.0468, 88.5775 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 18.4305, 8.0468, 88.5775

Background



This preview shows how black text looks on a background with the XYZ color 18.4305, 8.0468, 88.5775.



This preview shows how white text looks on a background with the XYZ color 18.4305, 8.0468,

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

18.4305, 8.0468, 88.5775

Protanopia

9.0869, 7.8810, 34.7605

Deuteranopia

7.5327, 7.8407, 24.7833



Tritanopia

5.4655, 7.7698, 11.5676

Trichromacy



Original Color

18.4305, 8.0468, 88.5775

Protanomaly

11.2769, 6.9605, 50.6183

Deuteranomaly

9.8540, 6.6404, 42.3573

Tritanomaly

7.5646, 6.0791, 29.2085

Monochromacy



Original Color

18.4305, 8.0468, 88.5775

Achromatopsia

3.8890, 4.0915, 4.4557

Achromatomaly

6.2256, 4.1674, 20.2149

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4305, 8.0468, 88.5775 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(50, 24, 247)` looks like.

```
.text, #text, p{  
    color:rgb(50, 24, 247)  
}
```

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(50, 24, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 24, 247) }
```

Border

The CSS property to change the border of an element to XYZ 18.4305, 8.0468, 88.5775 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(50, 24, 247) }
```


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

```
.border{ border-color:rgb(50, 24, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 24, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 24, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 24, 247);  
box-shadow:4px 4px 4px 4px rgb(50, 24,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4305, 8.0468, 88.5775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 24, 247) }
```

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

```
.background{ background-color: rgb(50, 24,  
247) }
```

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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