

Converting Colors

XYZ(17.9644, 8.2604, 73.2845)

Have a look what the booklet for
XYZ(17.9644, 8.2604, 73.2845)
contains.

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Color

**XYZ(18.0267, 8.3079,
73.3265)**

Conversions

Conversions Part 1

Format	Color
Hex	551CE3
RGB	85, 28, 227
RGB Percent	33%, 11%, 89%
CMY	0.6666, 0.8902, 0.1098
CMYK	0.63, 0.88, 0.00, 0.11
HSL	257°, 78%, 50%
HSV	257°, 88%, 89%
XYZ	18.0267, 8.3079, 73.3265
YIQ	67.7290, -29.9070, 73.9730

Conversions

Conversions Part 2

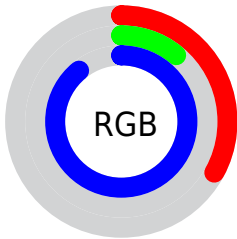
Format	Color
R_{YB}	85, 28, 227
Decimal	5577955
CIE _{Lab}	34.62, 69.10, -88.04
CIE _{LCh}	35, 111.917, 308.129
Yxy	8.3079, 0.1809, 0.0834
Android (android.graphics.Color)	4283768035 (0xFF551CE3)
YUV	67.7290, 78.5206, 15.1467
Hunter-Lab	28.8234, 61.1962, -130.6567

Details

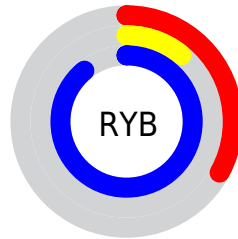
The XYZ color **18.0267, 8.3079, 73.3265** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **44.2538, 63.5670, 11.0356**, and the grayscale version is **5.3334, 5.6111, 6.1105**.

A 20% lighter version of the original color is **34.0610, 20.2963, 96.7301**, and **7.2557, 2.9023, 38.2080** is the 20% darker color. If you saturate the color by 10%, you get **16.3635, 6.9193, 73.1464**, and if you desaturate by 10%, it is **20.4255, 10.6657, 73.6555**.

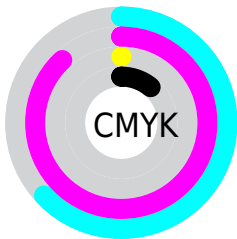
Distribution



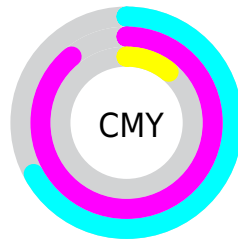
- Red (33%)
- Green (11%)
- Blue (89%)



- Red (33%)
- Yellow (11%)
- Blue (89%)



- Cyan (63%)
- Magenta (88%)
- Yellow (0%)
- Black (11%)



- Cyan (67%)
- Magenta (89%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0267, 8.3079, 73.3265 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 18.0267, 8.3079, 73.3265 by changing the saturation by 10% instead.

■ 18.0267, 8.3079,
73.3265

■ 18.0267, 8.3079,
73.3265

234.0642,
178.1275, 491.2467

■ 11.0690, 4.2926,
53.7495

■ 39.6125, 22.5599,
125.6658

■ 6.1809, 1.8385,
38.0096

■ 54.9714, 33.5653,
159.2653

■ 2.9971, 0.5110,
25.6883

■ 73.8612, 47.6696,
198.3759

■ 1.1522, 0.0000,
16.3669

■ 96.6476, 65.2571,
243.4164

■ 0.0681, 0.0000,
9.6270

■ 123.6956, 86.7123,
294.8051

■ 0.0000, 0.0000,
5.0500

■ 155.3709,

■ 0.0000, 0.0000,

112.4195, 352.9607

2.2174

192.0386,
142.7631, 418.3018

■ 0.0000, 0.0000,
0.6844

■ 0.0000, 0.0000,
0.0000

■ 18.0267, 8.3079,
73.3265

■ 18.0267, 8.3079,
73.3265

■ 16.3635, 6.9193,
73.1464

■ 20.4255, 10.6657,
73.6555

■ 16.0473, 6.6710,
73.1151

■ 23.6639, 14.1731,
74.1618

■ 27.8243, 18.9647,
74.8673

■ 32.9777, 25.1558,
75.7907

■ 39.1875, 32.8485,
76.9483

■ 46.5117, 42.1352,
78.3548

■ 55.0038, 53.1008,
80.0238

■ 64.7139, 65.8239,
81.9678

■ 75.6889, 80.3782,
84.1986

Harmonies

Analogous

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



9.7423, 8.3079, 105.7481



18.0267, 8.3079, 73.3265



25.3943, 8.3079, 29.1906

Triad

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



18.0267, 8.3079, 73.3265



13.3435, 8.3079, 0.0000



0.9415, 8.3079, 14.9131

Complementary

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



18.0267, 8.3079, 73.3265



44.2538, 63.5670, 11.0356

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.



1.1358, 8.3079, 1.2886



18.0267, 8.3079, 73.3265



6.2998, 8.3079, 0.0000

Square

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



18.0267, 8.3079, 73.3265



21.8316, 8.3079, 0.0000



2.5189, 8.3079, 0.0000



1.6758, 8.3079, 52.0393

Rectangle

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



18.0267, 8.3079, 73.3265



27.3331, 8.3079, 10.2306



2.5189, 8.3079, 0.0000



0.9137, 8.3079, 7.9564

Sweetspot

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



18.0273, 8.3080, 73.3268



62.1096, 56.8518, 102.3077



28.8344, 34.7737, 77.8656



12.5294, 11.1902, 21.7495



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.



18.0273, 8.3080, 73.3268



20.8017, 8.6386, 95.1788



34.0194, 16.5522, 74.0752



13.9687, 14.0861, 18.1270



9.4584, 3.9419, 42.6455



0.7883, 0.3373, 3.1555

Inverse Universe

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



39.3484, 20.0631, 39.8232



49.6780, 24.6352, 46.3637



30.2856, 56.3661, 10.3819



14.8098, 14.5411, 17.1990



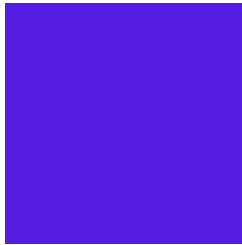
22.3295, 11.0660, 21.1618



1.6897, 0.8336, 1.7722

Previews

White Background



This preview shows how the XYZ color 18.0267, 8.3079, 73.3265 looks on a white background.

Color Contrast Check

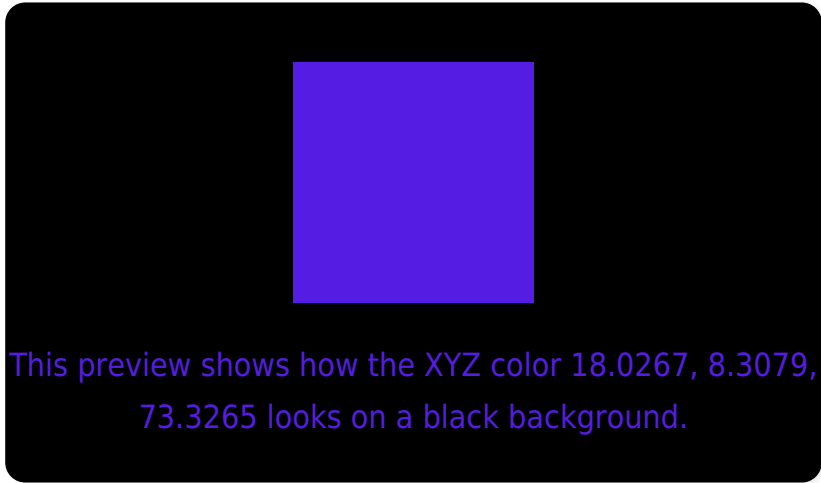
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

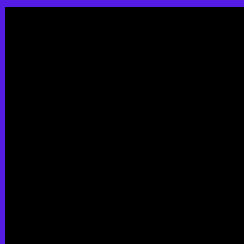
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.0267, 8.3079, 73.3265

Background



This preview shows how black text looks on a background with the XYZ color 18.0267, 8.3079, 73.3265.



This preview shows how white text looks on a background with the XYZ color 18.0267, 8.3079,

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

18.0267, 8.3079, 73.3265

Protanopia

9.5875, 8.3086, 36.6957

Deuteranopia

7.9780, 8.2637, 26.3739



Tritanopia

5.8138, 8.1754, 12.5808

Trichromacy



Original Color

18.0267, 8.3079, 73.3265

Protanomaly

11.2580, 7.1539, 48.3644

Deuteranomaly

9.8449, 6.9367, 39.8498

Tritanomaly

7.6063, 6.3192, 27.2044

Monochromacy



Original Color

18.0267, 8.3079, 73.3265

Achromatopsia

5.4944, 5.7805, 6.2950

Achromatomaly

7.8630, 5.5084, 20.3875

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0267, 8.3079, 73.3265 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(85, 28, 227)` looks like.

```
.text, #text, p{  
    color:rgb(85, 28, 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(85, 28, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 28, 227) }
```

Border

The CSS property to change the border of an element to XYZ 18.0267, 8.3079, 73.3265 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(85, 28, 227) }
```


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

```
.border{ border-color:rgb(85, 28, 227) }
```

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

Here you see how a box with a 4 pixel rgb(85, 28, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 28, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 28, 227);  
box-shadow:4px 4px 4px 4px rgb(85, 28,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0267, 8.3079, 73.3265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 28, 227) }
```

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

```
.background{ background-color: rgb(85, 28,  
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](#).

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