

# Converting Colors

XYZ(56.8073, 46.1196,  
100.5157)

Have a look what the booklet for  
XYZ(56.8073, 46.1196, 100.5157)  
contains.

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# Color

**XYZ(56.8073, 46.1196,  
100.5157)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D0A1FF
RGB	208, 161, 255
RGB Percent	82%, 63%, 100%
CMY	0.1843, 0.3686, 0.0000
CMYK	0.18, 0.37, 0.00, 0.00
HSL	270°, 100%, 82%
HSV	270°, 37%, 100%
XYZ	56.8073, 46.1196, 100.5157
YIQ	185.7690, -2.1620, 39.1980

# Conversions

## Conversions Part 2

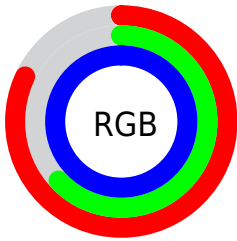
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	208, 161, 255
Decimal	13672959
CIE Lab	73.62, 34.86, -40.22
CIE LCh	74, 53.226, 310.922
Yxy	46.1196, 0.2792, 0.2267
Android (android.graphics.Color)	4291863039 (0xFFD0A1FF)
YUV	185.7690, 34.1309, 19.4966
Hunter-Lab	67.9114, 30.4687, -40.2172

# Details

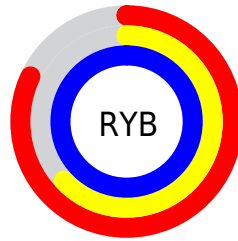
The XYZ color **56.8073, 46.1196, 100.5157** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **68.2062, 87.5034, 47.0151**, and the grayscale version is **46.3603, 48.7747, 53.1156**.

A 20% lighter version of the original color is **83.8459, 77.5917, 105.1653**, and **28.6106, 21.6899, 56.1047** is the 20% darker color. If you saturate the color by 10%, you get **49.3555, 36.3247, 99.0178**, and if you desaturate by 10%, it is **65.4588, 57.8839, 102.3304**.

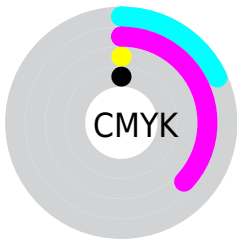
# Distribution



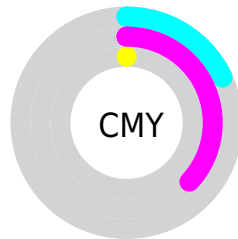
- Red (82%)
- Green (63%)
- Blue (100%)



- Red (82%)
- Yellow (63%)
- Blue (100%)



- Cyan (18%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)




- Cyan (18%)
- Magenta (37%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.8073, 46.1196, 100.5157 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 56.8073, 46.1196, 100.5157 by changing the saturation by 10% instead.




 56.8073, 46.1196,  
100.5157

 56.8073, 46.1196,  
100.5157


402.7527,  
371.2893, 583.1056

 41.0901, 32.3402,  
76.1120

 99.3169, 84.3980,  
163.9237

 28.5775, 21.6215,  
56.0172


 126.8401,  
109.6657, 203.7652

 18.9041, 13.5790,  
39.8126

159.0292,  
139.5317, 249.5896

 11.7046, 7.8285,  
27.0798

196.2498,  
174.3804, 301.8156

 6.6136, 3.9854,  
17.4002

238.8670,  
214.5961, 360.8616

 3.2658, 1.6654,  
10.3553

287.2464,

 1.2958, 0.4011,

260.5632, 427.1463

5.5265

341.7531,  
312.6661, 501.0881

■ 0.1801, 0.0000,  
2.4953

■ 0.0000, 0.0000,  
0.8376

■ 56.8073, 46.1196,  
100.5157

■ 56.8073, 46.1196,  
100.5157

■ 49.3555, 36.3247,  
99.0178

■ 65.4588, 57.8839,  
102.3304

■ 43.0368, 28.3792,  
97.8172

■ 75.3630, 71.7173,  
104.4785

■ 37.7839, 22.1577,  
96.8932

■ 86.5748, 87.7191,  
106.9762

■ 33.5195, 17.5168,  
96.2221

95.0500, 100.0000,  
108.9000

■ 30.1539, 14.2881,  
95.7763

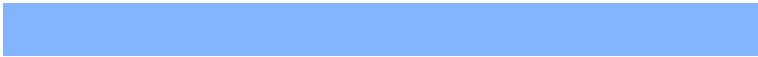
■ 27.5752, 12.2594,  
95.5207

■ 26.8773, 11.7707,  
95.4631

# Harmonies

## Analogous

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



47.3589, 46.1196, 120.3431



56.8073, 46.1196, 100.5157



63.2857, 46.1196, 69.1582

# Triad

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



56.8073, 46.1196, 100.5157



50.0282, 46.1196, 15.4073



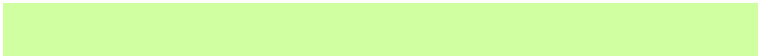
28.3428, 46.1196, 60.7045

# Complementary

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



56.8073, 46.1196, 100.5157



68.2062, 87.5034, 47.0151

# 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.



28.8444, 46.1196, 35.0936



56.8073, 46.1196, 100.5157



40.4910, 46.1196, 14.5546

# Square

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



56.8073, 46.1196, 100.5157



59.0007, 46.1196, 23.3181



33.0056, 46.1196, 20.3268



31.5204, 46.1196, 92.4534



# Rectangle

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



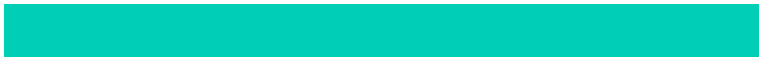
56.8073, 46.1196, 100.5157



64.5624, 46.1196, 49.3857



33.0056, 46.1196, 20.3268



28.0998, 46.1196, 51.0564

# Sweetspot

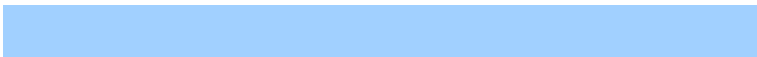
The Sweet Spot groups the original color and five complimentary colors.



56.8087, 46.1214, 100.5159



81.7726, 80.8272, 105.8991



55.3051, 59.9102, 103.2567



17.1767, 16.8349, 22.5941



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.



56.8087, 46.1214, 100.5159



51.3694, 38.9335, 99.4152



72.0356, 53.9711, 101.2285



17.8684, 17.8239, 22.7485



14.2162, 6.2392, 49.8896



1.5101, 0.6724, 4.8635



# Inverse Universe

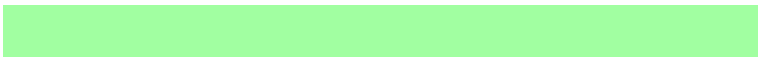
The Inverse Universe completely reimagines the original color for something new.



65.3709, 51.3053, 66.1328



61.3296, 44.9638, 59.4179



56.8921, 81.6708, 46.4856



18.3882, 18.1386, 20.6613



23.6428, 11.9464, 12.0354

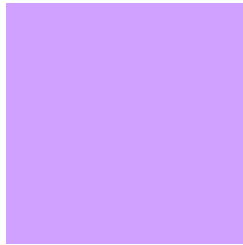


2.3571, 1.1852, 1.4621



# Previews

## White Background



This preview shows how the XYZ color 56.8073, 46.1196, 100.5157 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

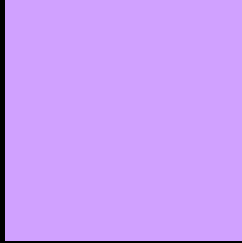
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.8073, 46.1196, 100.5157 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

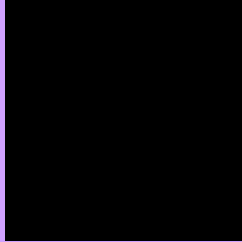
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 56.8073, 46.1196, 100.5157

## Background



This preview shows how black text looks on a background with the XYZ color 56.8073, 46.1196, 100.5157.



This preview shows how white text looks on a background with the XYZ color 56.8073, 46.1196,



# 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

56.8073, 46.1196, 100.5157

### Protanopia

48.0747, 46.6283, 101.0741

### Deuteranopia

47.6332, 46.4743, 97.7267



## Tritanopia

47.4330, 46.1611, 53.9869

# Trichromacy



## Original Color

56.8073, 46.1196, 100.5157



## Protanomaly

50.7070, 45.9552, 100.8054



## Deuteranomaly

50.2277, 45.7634, 98.2814



## Tritanomaly

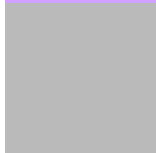
50.3458, 45.9204, 68.4974

# Monochromacy



## Original Color

56.8073, 46.1196, 100.5157



## Achromatopsia

46.6715, 49.1021, 53.4722



## Achromatomaly

49.7281, 47.6168, 68.1980

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.8073, 46.1196, 100.5157 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(208, 161, 255)` looks like.

```
.text, #text, p{  
    color:rgb(208, 161, 255)  
}
```

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(208, 161, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 161, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 56.8073, 46.1196, 100.5157 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(208, 161, 255) }
```



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

```
.border{ border-color:rgb(208, 161, 255) }
```

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

Here you see how a box with a 4 pixel rgb(208, 161, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 161, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 161, 255);  
box-shadow:4px 4px 4px 4px rgb(208, 161,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.8073, 46.1196, 100.5157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 161, 255) }
```

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

```
.background{ background-color: rgb(208,  
161, 255) }
```

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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