

# Converting Colors

XYZ(56.3305, 41.5063, 95.4034)

Have a look what the booklet for  
XYZ(56.3305, 41.5063, 95.4034)  
contains.

<b>XYZ(56.1417, 41.3082, 95.4568)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(56.1417, 41.3082,  
95.4568)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DB8EFA
RGB	219, 142, 250
RGB Percent	86%, 56%, 98%
CMY	0.1412, 0.4431, 0.0196
CMYK	0.12, 0.43, 0.00, 0.02
HSL	283°, 92%, 77%
HSV	283°, 43%, 98%
XYZ	56.1417, 41.3082, 95.4568
YIQ	177.3350, 11.2240, 49.9120

# Conversions

## Conversions Part 2

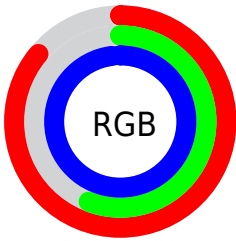
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	219, 142, 250
Decimal	14388986
CIE <sub>Lab</sub>	70.39, 47.14, -42.47
CIE <sub>LCh</sub>	70, 63.449, 317.988
Yxy	41.3082, 0.2910, 0.2141
Android (android.graphics.Color)	4292579066 (0xFFDB8EFA)
YUV	177.3350, 35.8238, 36.5402
Hunter-Lab	64.2715, 43.4463, -43.0683

# Details

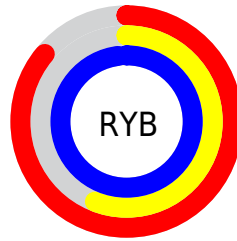
The XYZ color **56.1417, 41.3082, 95.4568** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **56.3030, 79.2095, 37.9145**, and the grayscale version is **41.7807, 43.9566, 47.8687**.

A 20% lighter version of the original color is **79.2563, 68.4125, 103.6354**, and **28.0983, 18.6764, 52.5760** is the 20% darker color. If you saturate the color by 10%, you get **50.7185, 33.5970, 94.2549**, and if you desaturate by 10%, it is **62.4949, 50.7389, 96.9429**.

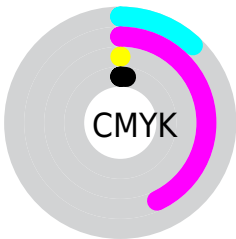
# Distribution



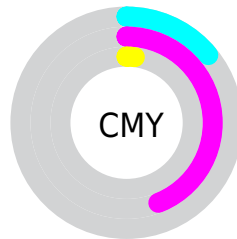
- Red (86%)
- Green (56%)
- Blue (98%)



- Red (86%)
- Yellow (56%)
- Blue (98%)



- Cyan (12%)
- Magenta (43%)
- Yellow (0%)
- Black (2%)




- Cyan (14%)
- Magenta (44%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.1417, 41.3082, 95.4568 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 56.1417, 41.3082, 95.4568 by changing the saturation by 10% instead.





 56.1417, 41.3082,  
95.4568


 56.1417, 41.3082,  
95.4568


400.2917,  
351.6071, 566.6480

 40.5540, 28.5600,  
71.9162

 98.3503, 77.1515,  
156.8965

 28.1569, 18.7482,  
52.6038


 125.7020,  
101.0154, 195.6328

 18.5850, 11.4885,  
37.1011


157.7056,  
129.3534, 240.2714

 11.4730, 6.3964,  
24.9893

194.7267,  
162.5497, 291.2308

 6.4556, 3.0876,  
15.8502

237.1304,  
200.9888, 348.9297

 3.1673, 1.1776,  
9.2650

285.2823,

 1.2428, 0.0433,

245.0552, 413.7865

4.8153

339.5476,  
295.1331, 486.2197

■ 0.1398, 0.0000,  
2.0824

■ 0.0000, 0.0000,  
0.6053

■ 56.1417, 41.3082,  
95.4568

■ 56.1417, 41.3082,  
95.4568

■ 50.7185, 33.5970,  
94.2549

■ 62.4949, 50.7389,  
96.9429

■ 46.1634, 27.4867,  
93.3155

■ 69.8261, 61.9868,  
98.7276

■ 42.4132, 22.8515,  
92.6185

■ 78.1849, 75.1485,  
100.8275

■ 39.3934, 19.5440,  
92.1393

■ 87.6162, 90.3121,  
103.2573

■ 37.0135, 17.3855,  
91.8481

■ 94.2119, 99.6597,  
104.7139

■ 35.6710, 16.3958,  
91.7278

■ 94.2554, 99.6822,  
104.7160

# Harmonies

## Analogous

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



45.7920, 41.3082, 124.7870



56.1417, 41.3082, 95.4568



62.3459, 41.3082, 58.0314

# Triad

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



56.1417, 41.3082, 95.4568



43.5889, 41.3082, 8.9286



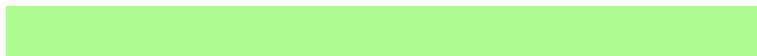
23.0999, 41.3082, 65.1655

# Complementary

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



56.1417, 41.3082, 95.4568



56.3030, 79.2095, 37.9145

# 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.



22.7217, 41.3082, 34.0447



56.1417, 41.3082, 95.4568



33.3847, 41.3082, 9.4669

# Square

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



56.1417, 41.3082, 95.4568



54.2846, 41.3082, 14.3617



26.1585, 41.3082, 16.4336



27.3034, 41.3082, 102.6272



# Rectangle

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



56.1417, 41.3082, 95.4568



62.6795, 41.3082, 37.4535



26.1585, 41.3082, 16.4336



22.5522, 41.3082, 53.4474

# Sweetspot

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



56.1432, 41.3099, 95.4577



81.9570, 78.8827, 105.5140



43.6257, 43.0816, 96.4594



17.1074, 16.1933, 22.4739



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.



56.1432, 41.3099, 95.4577



53.6559, 35.9799, 98.7246



63.1577, 45.2953, 79.1055



17.4792, 17.2597, 21.7955



19.0700, 8.7736, 48.6619



1.8707, 0.8665, 4.5118



# Inverse Universe

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



56.6415, 42.6888, 44.7913



54.6343, 37.8317, 37.8922



52.0071, 76.7890, 47.0154



17.4495, 17.3071, 18.9566



21.5816, 11.0484, 4.5053



2.0425, 1.0407, 0.6471



# Previews

## White Background



This preview shows how the XYZ color 56.1417, 41.3082, 95.4568 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

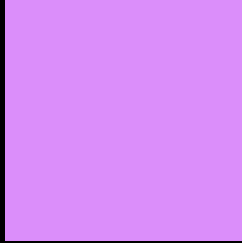
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.1417, 41.3082, 95.4568 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 56.1417, 41.3082, 95.4568**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.1417, 41.3082, 95.4568.



This preview shows how white text looks on a background with the XYZ color 56.1417, 41.3082,

95.4568.

# 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

56.1417, 41.3082, 95.4568

### Protanopia

43.7524, 41.8091, 100.3717

### Deuteranopia

42.7461, 41.7685, 91.3971



## Tritanopia

45.5767, 41.0402, 44.5491

# Trichromacy



## Original Color

56.1417, 41.3082, 95.4568



## Protanomaly

47.0950, 40.8914, 98.3392



## Deuteranomaly

46.4389, 40.6797, 92.5931



## Tritanomaly

48.6805, 40.8015, 59.9533

# Monochromacy



## Original Color

56.1417, 41.3082, 95.4568



## Achromatopsia

41.7894, 43.9657, 47.8787



## Achromatomaly

45.9128, 42.1170, 62.8363

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.1417, 41.3082, 95.4568 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(219, 142, 250)` looks like.

```
.text, #text, p{  
    color:rgb(219, 142, 250)  
}
```

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(219, 142, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 142, 250) }
```

## Border

The CSS property to change the border of an element to XYZ 56.1417, 41.3082, 95.4568 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(219, 142, 250) }
```



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

```
.border{ border-color:rgb(219, 142, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 142, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 142, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 142, 250);  
box-shadow:4px 4px 4px 4px rgb(219, 142,  
250) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.1417, 41.3082, 95.4568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 142, 250) }
```

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

```
.background{ background-color: rgb(219,  
142, 250) }
```

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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