

Converting Colors

XYZ(50.3937, 29.1983, 97.5875)

Have a look what the booklet for
XYZ(50.3937, 29.1983, 97.5875)
contains.

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Color

**XYZ(50.5358, 29.2702,
97.5939)**

Conversions

Conversions Part 1

Format	Color
Hex	DA59FF
RGB	218, 89, 255
RGB Percent	85%, 35%, 100%
CMY	0.1451, 0.6510, 0.0000
CMYK	0.15, 0.65, 0.00, 0.00
HSL	287°, 100%, 67%
HSV	287°, 65%, 100%
XYZ	50.5358, 29.2702, 97.5939
YIQ	146.4950, 23.5980, 78.9740

Conversions

Conversions Part 2

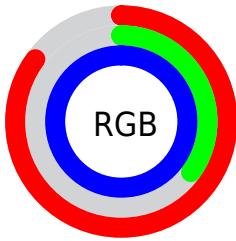
Format	Color
R _Y B	218, 89, 255
Decimal	14309887
CIE Lab	61.02, 73.08, -60.04
CIE LCh	61, 94.585, 320.595
Yxy	29.2702, 0.2849, 0.1650
Android (android.graphics.Color)	4292499967 (0xFFDA59FF)
YUV	146.4950, 53.4930, 62.7099
Hunter-Lab	54.1019, 72.0557, -69.0812

Details

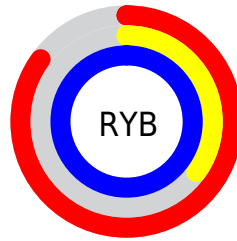
The XYZ color **50.5358, 29.2702, 97.5939** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted magenta. A complement of this color would be **46.1680, 76.6772, 21.8192**, and the grayscale version is **27.3064, 28.7284, 31.2853**.

A 20% lighter version of the original color is **69.7237, 49.3474, 100.4579**, and **24.6090, 11.8679, 53.8170** is the 20% darker color. If you saturate the color by 10%, you get **47.0990, 24.8757, 96.9268**, and if you desaturate by 10%, it is **54.7676, 35.1660, 98.5089**.

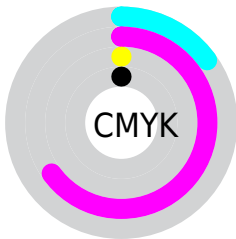
Distribution



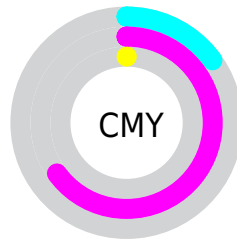
- Red (85%)
- Green (35%)
- Blue (100%)



- Red (85%)
- Yellow (35%)
- Blue (100%)



- Cyan (15%)
- Magenta (65%)
- Yellow (0%)
- Black (0%)




- Cyan (15%)
- Magenta (65%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.5358, 29.2702, 97.5939 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 50.5358, 29.2702, 97.5939 by changing the saturation by 10% instead.


 50.5358, 29.2702,
97.5939

 50.5358, 29.2702,
97.5939

379.1750,
298.4877, 573.6313


 36.0589, 19.2853,
73.6870


 90.1553, 58.5061,
159.8696


 24.6500, 11.8766,
54.0427


 116.0286, 78.5259,
199.0755

 15.9438, 6.6597,
38.2424


 146.4314,
102.6595, 244.2181

 9.5750, 3.2502,
25.8675

 181.7290,
131.2912, 295.7160

 5.1782, 1.2637,
16.4997

222.2868,
164.8055, 353.9878

 2.3880, 0.1128,
9.7203

268.4702,

 0.8391, 0.0000,

203.5868, 419.4518

5.1107

320.6445,
248.0194, 492.5268

■ 0.0000, 0.0000,
2.2525

■ 0.0000, 0.0000,
0.7044

■ 50.5358, 29.2702,
97.5939

■ 50.5358, 29.2702,
97.5939

■ 47.0990, 24.8757,
96.9268

■ 54.7676, 35.1660,
98.5089

■ 44.3736, 21.8195,
96.4806

■ 59.8599, 42.6965,
99.6940

■ 42.2621, 19.9062,
96.2226

■ 65.8749, 51.9840,
101.1697

■ 41.3821, 19.2481,
96.1419

■ 72.8676, 63.1382,
102.9541

■ 80.8890, 76.2598,
105.0640

■ 89.9861, 91.4421,
107.5151

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



37.0514, 29.2702, 147.5718



50.5358, 29.2702, 97.5939



58.4918, 29.2702, 44.3443

Triad

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



50.5358, 29.2702, 97.5939



31.8899, 29.2702, 0.8314



10.9699, 29.2702, 62.3293

Complementary

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



50.5358, 29.2702, 97.5939



46.1680, 76.6772, 21.8192

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.



10.3372, 29.2702, 21.9868



50.5358, 29.2702, 97.5939



20.2662, 29.2702, 1.1794

Square

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



50.5358, 29.2702, 97.5939



45.8100, 29.2702, 2.8971



13.1949, 29.2702, 5.2404



15.2910, 29.2702, 118.7646

Rectangle

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



50.5358, 29.2702, 97.5939



58.3512, 29.2702, 20.9169



13.1949, 29.2702, 5.2404



10.3816, 29.2702, 46.1035

Sweetspot

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



50.5369, 29.2714, 97.5941



76.8238, 69.5732, 103.9877



29.8552, 24.7140, 97.8045



15.9692, 14.1181, 22.1334



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.



50.5369, 29.2714, 97.5941



46.2380, 23.8580, 96.7758



56.5374, 33.0955, 64.8620



18.3733, 18.0842, 22.7722



21.7573, 10.1268, 50.2425



2.2112, 1.0338, 4.8963

Inverse Universe

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



48.5789, 29.9120, 22.9528



44.9802, 25.0265, 14.6263



44.1327, 75.3450, 34.5054



18.1751, 18.0534, 19.5393



21.9780, 11.2805, 3.2687



2.1788, 1.1139, 0.5231

Previews

White Background



This preview shows how the XYZ color 50.5358, 29.2702, 97.5939 looks on a white background.

Color Contrast Check

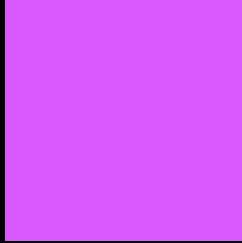
Large Text (above 18pt) WCAG AA ✓ Pass

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 50.5358, 29.2702, 97.5939 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

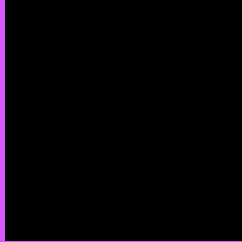
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 50.5358, 29.2702, 97.5939

Background



This preview shows how black text looks on a background with the XYZ color 50.5358, 29.2702, 97.5939.



This preview shows how white text looks on a background with the XYZ color 50.5358, 29.2702,

97.5939.

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

50.5358, 29.2702, 97.5939

Protanopia

32.8471, 29.6533, 98.6002

Deuteranopia

30.5752, 29.5963, 89.6891



Tritanopia

35.9214, 29.0885, 26.6430

Trichromacy



Original Color

50.5358, 29.2702, 97.5939



Protanomaly

36.0729, 27.2108, 97.9587



Deuteranomaly

34.2055, 26.9426, 92.2046



Tritanomaly

39.7739, 28.3303, 46.0198

Monochromacy



Original Color

50.5358, 29.2702, 97.5939



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

33.2098, 26.9831, 49.9123

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.5358, 29.2702, 97.5939 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(218, 89, 255)` looks like.

```
.text, #text, p{  
    color:rgb(218, 89, 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(218, 89, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 89, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.5358, 29.2702, 97.5939 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(218, 89, 255) }
```


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

```
.border{ border-color:rgb(218, 89, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 89, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 89, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 89, 255);  
box-shadow:4px 4px 4px 4px rgb(218, 89,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.5358, 29.2702, 97.5939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 89, 255) }
```

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

```
.background{ background-color: rgb(218, 89,  
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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