

# Converting Colors

XYZ(51.6673, 26.3077, 96.9625)

Have a look what the booklet for  
XYZ(51.6673, 26.3077, 96.9625)  
contains.

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# Color

**XYZ(51.5469, 26.2457,  
96.9568)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E533FF
RGB	229, 51, 255
RGB Percent	90%, 20%, 100%
CMY	0.1020, 0.8000, 0.0000
CMYK	0.10, 0.80, 0.00, 0.00
HSL	292°, 100%, 60%
HSV	292°, 80%, 100%
XYZ	51.5469, 26.2457, 96.9568
YIQ	127.4780, 40.6040, 101.1800

# Conversions

## Conversions Part 2

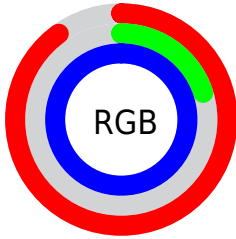
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	229, 51, 255
Decimal	15021055
CIE <sub>Lab</sub>	58.27, 87.62, -64.36
CIE <sub>LCh</sub>	58, 108.719, 323.700
Yxy	26.2457, 0.2950, 0.1502
Android (android.graphics.Color)	4293211135 (0xFFE533FF)
YUV	127.4780, 62.8683, 89.0348
Hunter-Lab	51.2306, 89.9487, -76.3484

# Details

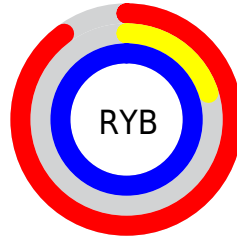
The XYZ color **51.5469, 26.2457, 96.9568** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **39.4189, 73.3372, 15.2109**, and the grayscale version is **20.1197, 21.1675, 23.0514**.

A 20% lighter version of the original color is **65.8868, 41.6737, 99.1789**, and **26.4402, 12.4662, 53.8360** is the 20% darker color. If you saturate the color by 10%, you get **49.6950, 24.0659, 96.6337**, and if you desaturate by 10%, it is **54.0302, 29.6573, 97.4845**.

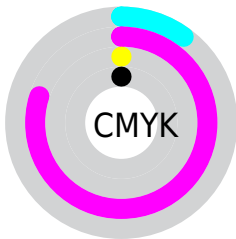
# Distribution



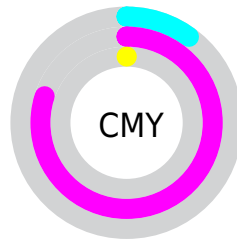
- Red (90%)
- Green (20%)
- Blue (100%)



- Red (90%)
- Yellow (20%)
- Blue (100%)



- Cyan (10%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)




- Cyan (10%)
- Magenta (80%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.5469, 26.2457, 96.9568 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 51.5469, 26.2457, 96.9568 by changing the saturation by 10% instead.




 51.5469, 26.2457,  
96.9568


 51.5469, 26.2457,  
96.9568

383.0376,  
283.9861, 571.5543


 36.8669, 17.0075,  
73.1588


 91.6409, 53.6711,  
158.9840

 25.2776, 10.2399,  
53.6132


 117.7855, 72.6270,  
198.0503


 16.4138, 5.5583,  
37.9015


 148.4823, 95.5911,  
243.0432

 9.9102, 2.5784,  
25.6050

 184.0968,  
122.9476, 294.3811

 5.4012, 0.9158,  
16.3053

 224.9942,  
155.0810, 352.4826

 2.5217, 0.0000,  
9.5837

271.5399,

 0.9062, 0.0000,

192.3756, 417.7663

5.0219

324.0993,  
235.2158, 490.6507

■ 0.0000, 0.0000,  
2.2011

■ 0.0000, 0.0000,  
0.6750

■ 51.5469, 26.2457,  
96.9568

■ 51.5469, 26.2457,  
96.9568

■ 49.6950, 24.0659,  
96.6337

■ 54.0302, 29.6573,  
97.4845

■ 48.3284, 22.8292,  
96.4670

■ 57.2291, 34.4723,  
98.2452

■ 48.3279, 22.8288,  
96.4670

■ 61.2181, 40.8381,  
99.2637

■ 66.0612, 48.8830,  
100.5613

■ 71.8159, 58.7215,  
102.1570

■ 78.5345, 70.4583,  
104.0683

■ 86.2653, 84.1899,  
106.3113

■ 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.



36.6196, 26.2457, 160.4693



51.5469, 26.2457, 96.9568



59.6950, 26.2457, 37.3314

# Triad

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



51.5469, 26.2457, 96.9568



27.8398, 26.2457, 0.0000



8.1604, 26.2457, 68.9552

# Complementary

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



51.5469, 26.2457, 96.9568



39.4189, 73.3372, 15.2109

# 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.



7.2516, 26.2457, 21.3111



51.5469, 26.2457, 96.9568



16.0610, 26.2457, 0.0640

# Square

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



51.5469, 26.2457, 96.9568



43.2199, 26.2457, 0.8980



9.5573, 26.2457, 3.5160



12.7218, 26.2457, 136.5358



# Rectangle

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



51.5469, 26.2457, 96.9568



58.6817, 26.2457, 14.5719



9.5573, 26.2457, 3.5160



7.5044, 26.2457, 49.5156

# Sweetspot

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



51.5480, 26.2468, 96.9570



75.7257, 65.5252, 103.2642



22.1549, 13.4024, 96.0270



15.7021, 13.1419, 21.9590



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.



51.5480, 26.2468, 96.9570



48.8395, 23.2569, 96.5226



50.6832, 26.9320, 45.8158



18.5515, 18.1760, 22.7805



25.3416, 11.9746, 50.4103



2.5283, 1.1973, 4.9111



# Inverse Universe

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



43.7640, 24.1644, 9.3801



41.7580, 21.6443, 4.1114



40.8791, 73.7254, 31.7489



18.1036, 18.0247, 19.1625



21.7176, 11.1763, 1.8973



2.1426, 1.0994, 0.3326



# Previews

## White Background



This preview shows how the XYZ color 51.5469, 26.2457, 96.9568 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

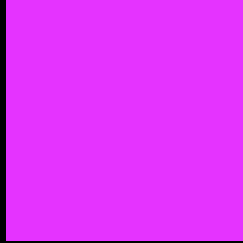
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 51.5469, 26.2457, 96.9568 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

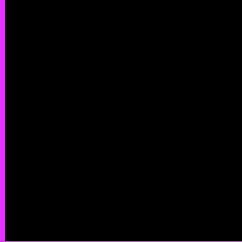
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 51.5469, 26.2457, 96.9568**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.5469, 26.2457, 96.9568.



This preview shows how white text looks on a background with the XYZ color 51.5469, 26.2457,

96.9568.

# 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

51.5469, 26.2457, 96.9568

### Protanopia

30.2201, 26.7736, 98.1828

### Deuteranopia

27.5368, 26.7210, 86.9254



## Tritanopia

35.3789, 25.8350, 19.6450

# Trichromacy



## Original Color

51.5469, 26.2457, 96.9568



## Protanomaly

33.0356, 22.5964, 97.2281



## Deuteranomaly

30.2716, 21.8021, 89.8015



## Tritanomaly

39.2967, 24.5118, 39.2193

# Monochromacy



## Original Color

51.5469, 26.2457, 96.9568



## Achromatopsia

20.1725, 21.2231, 23.1119



## Achromatomaly

27.4117, 19.8722, 42.4354

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.5469, 26.2457, 96.9568 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(229, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(229, 51, 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(229, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 51, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 51.5469, 26.2457, 96.9568 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(229, 51, 255) }
```



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

```
.border{ border-color:rgb(229, 51, 255) }
```

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

Here you see how a box with a 4 pixel rgb(229, 51, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(229, 51,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.5469, 26.2457, 96.9568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 51, 255) }
```

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

```
.background{ background-color: rgb(229, 51,  
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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