

Converting Colors

XYZ(61.1728, 30.7076,
150.4842)

Have a look what the booklet for
XYZ(61.1728, 30.7076, 150.4842)
contains.

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Color

**XYZ(51.0299, 26.6205,
97.0564)**

Conversions

Conversions Part 1	
Format	Color
Hex	E23CFF
RGB	226, 60, 255
RGB Percent	89%, 24%, 100%
CMY	0.1137, 0.7647, 0.0000
CMYK	0.11, 0.76, 0.00, 0.00
HSL	291°, 100%, 62%
HSV	291°, 76%, 100%
XYZ	51.0299, 26.6205, 97.0564
YIQ	131.8640, 36.3410, 95.8370

Conversions

Conversions Part 2

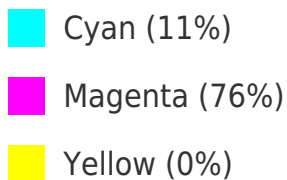
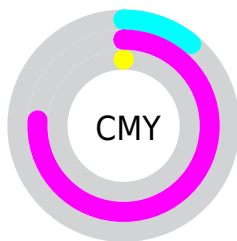
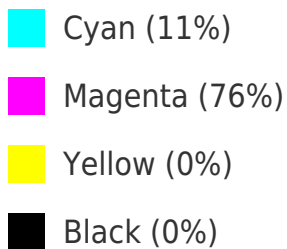
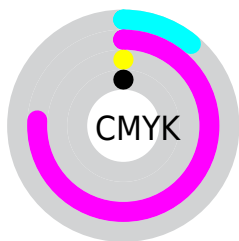
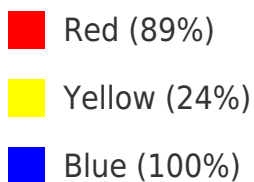
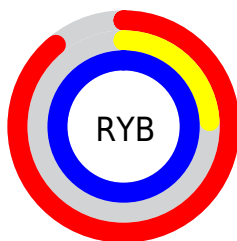
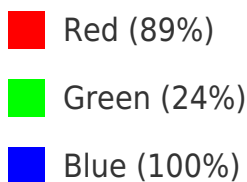
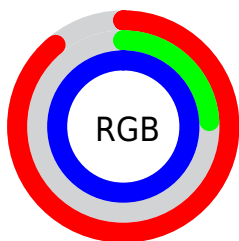
Format	Color
RYB	226, 60, 255
Decimal	14826751
CIELab	58.62, 84.74, -63.82
CIELCh	59, 106.082, 323.013
Yxy	26.6205, 0.2921, 0.1524
Android (android.graphics.Color)	4293016831 (0xFFE23CFF)
YUV	131.8640, 60.7060, 82.5573
Hunter-Lab	51.5951, 86.2534, -75.4150

Details

The XYZ color **51.0299, 26.6205, 97.0564** 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 **40.6961, 73.9704, 16.4088**, and the grayscale version is **21.6643, 22.7925, 24.8210**.

A 20% lighter version of the original color is **66.6236, 43.1472, 99.4245**, and **25.8039, 12.1382, 53.8062** is the 20% darker color. If you saturate the color by 10%, you get **48.8252, 23.9561, 96.6583**, and if you desaturate by 10%, it is **53.9058, 30.5862, 97.6703**.


Distribution




Brightness & Saturation Gradients


These gradients show how the XYZ color 51.0299, 26.6205, 97.0564 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 51.0299, 26.6205, 97.0564 by changing the saturation by 10% instead.


 51.0299, 26.6205,
97.0564

 51.0299, 26.6205,
97.0564


381.0657,
285.8149, 571.8792


 36.4535, 17.2884,
73.2414


 90.8817, 54.2743,
159.1225

 24.9564, 10.4403,
53.6803


 116.8878, 73.3648,
198.2106


 16.1731, 5.6919,
37.9547


 147.4346, 96.4769,
243.2269

 9.7384, 2.6586,
25.6460


 182.8874,
123.9949, 294.5899

 5.2868, 0.9562,
16.3356

 223.6116,
156.3034, 352.7181

 2.4530, 0.0000,
9.6050


269.9724,


 0.8716, 0.0000,


193.7866, 418.0300


5.0357


322.3354,
236.8290, 490.9442


 0.0000, 0.0000,
2.2091


 0.0000, 0.0000,
0.6796


 51.0299, 26.6205,
97.0564


 51.0299, 26.6205,
97.0564


 48.8252, 23.9561,
96.6583


 53.9058, 30.5862,
97.6703

 47.1863, 22.3855,
96.4416

 57.5313, 36.0130,
98.5267

 46.6886, 21.9837,
96.3903

 61.9774, 43.0414,
99.6490

 67.3056, 51.7941,
101.0576

73.5715, 62.3822,
102.7711

80.8258, 74.9070,
104.8063

89.1159, 89.4627,
107.1789

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.



36.4054, 26.6205, 157.7271



51.0299, 26.6205, 97.0564



59.1730, 26.6205, 38.6102

Triad

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



51.0299, 26.6205, 97.0564



28.4709, 26.6205, 0.0000



8.5467, 26.6205, 67.0212

Complementary

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



51.0299, 26.6205, 97.0564



40.6961, 73.9704, 16.4088

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.



7.7001, 26.6205, 21.1095



51.0299, 26.6205, 97.0564



16.7225, 26.6205, 0.2399

Square

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



51.0299, 26.6205, 97.0564



43.5498, 26.6205, 1.1532



10.1104, 26.6205, 3.7095



13.0313, 26.6205, 132.2553

Rectangle

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



51.0299, 26.6205, 97.0564



58.3714, 26.6205, 15.6525



10.1104, 26.6205, 3.7095



7.9088, 26.6205, 48.3130

Sweetspot

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



51.0310, 26.6216, 97.0566



75.9726, 66.5011, 103.4395



23.5077, 15.3684, 96.3351



15.7264, 13.3166, 21.9914



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.



51.0310, 26.6216, 97.0566



47.8564, 22.9677, 96.5186



51.7994, 28.0698, 49.5628



18.5116, 18.1555, 22.7786



24.4966, 11.5390, 50.3707



2.4541, 1.1591, 4.9076

Inverse Universe

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



44.6596, 25.2138, 11.9653



42.1938, 22.0531, 5.6835



41.5370, 74.0461, 32.6132



18.1194, 18.0311, 19.2461



21.7637, 11.1948, 2.1402



2.1501, 1.1024, 0.3717

Previews

White Background



This preview shows how the XYZ color 51.0299, 26.6205, 97.0564 looks on a white background.

Color Contrast Check

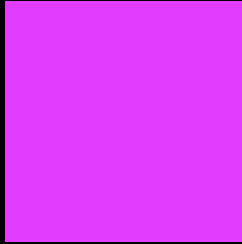
Large Text (above 18pt) WCAG AA ✓ Pass

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 51.0299, 26.6205, 97.0564 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

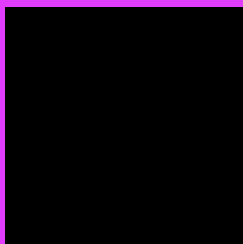
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 51.0299, 26.6205, 97.0564

Background



This preview shows how black text looks on a background with the XYZ color 51.0299, 26.6205, 97.0564.



This preview shows how white text looks on a background with the XYZ color 51.0299, 26.6205,

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

51.0299, 26.6205, 97.0564

Protanopia

30.5318, 27.1463, 98.2383

Deuteranopia

28.0294, 27.1795, 87.7733






Tritanopia

35.1968, 26.3543, 21.0011

Trichromacy

	Original Color 51.0299, 26.6205, 97.0564
	Protanomaly 33.4574, 23.4402, 97.3688
	Deuteranomaly 31.0058, 22.8107, 90.7644
	Tritanomaly 39.1001, 25.1403, 40.3279

Monochromacy

	Original Color 51.0299, 26.6205, 97.0564
	Achromatopsia 21.9318, 23.0740, 25.1276
	Achromatomaly 28.8157, 21.5894, 44.2434

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.0299, 26.6205, 97.0564 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(226, 60, 255) looks like.

```
.text, #text, p{  
    color:rgb(226, 60, 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(226, 60, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 60, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.0299, 26.6205, 97.0564 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(226, 60, 255) }
```


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

```
.border{ border-color:rgb(226, 60, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 60, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 60, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 60, 255);  
box-shadow:4px 4px 4px 4px rgb(226, 60,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.0299, 26.6205, 97.0564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 60, 255) }
```

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

```
.background{ background-color: rgb(226, 60,  
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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