

# Converting Colors

XYZ(54.7355, 30.0940, 97.5316)

Have a look what the booklet for  
XYZ(54.7355, 30.0940, 97.5316)  
contains.

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# Color

**XYZ(54.6356, 30.0202,  
97.5226)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EA4DFF
RGB	234, 77, 255
RGB Percent	92%, 30%, 100%
CMY	0.0823, 0.6980, 0.0000
CMYK	0.08, 0.70, 0.00, 0.00
HSL	293°, 100%, 65%
HSV	293°, 70%, 100%
XYZ	54.6356, 30.0202, 97.5226
YIQ	144.2350, 36.4340, 88.6420

# Conversions

## Conversions Part 2

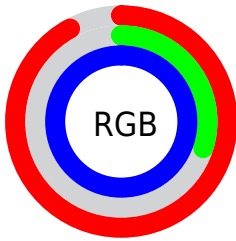
Format	Color
<a href="#">RYB</a>	<a href="#">234, 77, 255</a>
Decimal	<a href="#">15355391</a>
CIELab	<a href="#">61.67, 80.94, -58.87</a>
CIELCh	<a href="#">62, 100.087, 323.971</a>
Yxy	<a href="#">30.0202, 0.2999, 0.1648</a>
Android (android.graphics.Color)	<a href="#">4293545471 (0xFFEA4DFF)</a>
YUV	<a href="#">144.2350, 54.6071, 78.7239</a>
Hunter-Lab	<a href="#">54.7907, 82.1110, -67.1775</a>

# Details

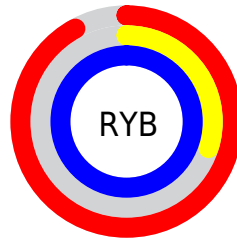
The XYZ color **54.6356, 30.0202, 97.5226** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **42.1373, 74.6528, 19.2110**, and the grayscale version is **26.3821, 27.7560, 30.2263**.

A 20% lighter version of the original color is **68.3785, 46.6570, 100.0095**, and **27.5336, 13.0299, 53.8872** is the 20% darker color. If you saturate the color by 10%, you get **52.2091, 26.6201, 96.9942**, and if you desaturate by 10%, it is **57.7798, 34.8289, 98.2851**.

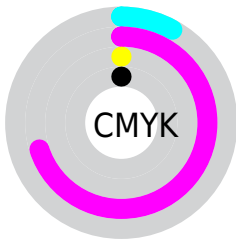
# Distribution



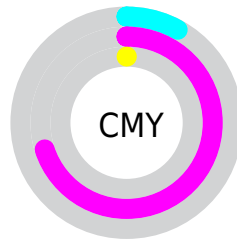
- Red (92%)
- Green (30%)
- Blue (100%)



- Red (92%)
- Yellow (30%)
- Blue (100%)



- Cyan (8%)
- Magenta (70%)
- Yellow (0%)
- Black (0%)




- Cyan (8%)
- Magenta (70%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.6356, 30.0202, 97.5226 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 54.6356, 30.0202, 97.5226 by changing the saturation by 10% instead.




 54.6356, 30.0202,  
97.5226


 54.6356, 30.0202,  
97.5226

394.6880,  
301.9986, 573.3990

 39.3427, 19.8539,  
73.6279


 96.1583, 59.6941,  
159.7705


 27.2084, 12.2889,  
53.9946


 123.1188, 79.9706,  
198.9608

 17.8672, 6.9408,  
38.2042


 154.6993,  
104.3858, 244.0867

 10.9538, 3.4251,  
25.8381

 191.2650,  
133.3243, 295.5667

 6.1028, 1.3575,  
16.4779

233.1814,  
167.1705, 353.8194

 2.9490, 0.1851,  
9.7050

280.8138,

 1.1268, 0.0000,

206.3086, 419.2633

5.1007

334.5276,  
251.1232, 492.3170

■ 0.0474, 0.0000,  
2.2467

■ 0.0000, 0.0000,  
0.7011

■ 54.6356, 30.0202,  
97.5226

■ 54.6356, 30.0202,  
97.5226

■ 52.2091, 26.6201,  
96.9942

■ 57.7798, 34.8289,  
98.2851

■ 50.4099, 24.4507,  
96.6703

■ 61.7115, 41.1886,  
99.3054

■ 49.0998, 23.2349,  
96.5047

■ 66.4957, 49.2281,  
100.6050

■ 49.0757, 23.2143,  
96.5020

■ 72.1898, 59.0620,  
102.2030

■ 78.8458, 70.7946,  
104.1168

■ 86.5122, 84.5224,  
106.3625

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.



40.2440, 30.0202, 155.7997



54.6356, 30.0202, 97.5226



62.2979, 30.0202, 41.0045

# Triad

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



54.6356, 30.0202, 97.5226



31.3063, 30.0202, 0.4752



10.9560, 30.0202, 72.4188

# Complementary

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



54.6356, 30.0202, 97.5226



42.1373, 74.6528, 19.2110

# 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.



9.9006, 30.0202, 25.5778



54.6356, 30.0202, 97.5226



19.3482, 30.0202, 1.0420

# Square

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



54.6356, 30.0202, 97.5226



46.3874, 30.0202, 2.0233



12.4381, 30.0202, 5.7524



15.9728, 30.0202, 134.9996



# Rectangle

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



54.6356, 30.0202, 97.5226



61.2678, 30.0202, 17.9933



12.4381, 30.0202, 5.7524



10.2076, 30.0202, 53.7661

# Sweetspot

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



54.6367, 30.0215, 97.5228



77.9956, 69.2849, 103.8702



25.7395, 18.0548, 96.7361



16.2868, 14.1086, 22.1148



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.



54.6367, 30.0215, 97.5228



51.3829, 25.5706, 96.8352



53.1597, 30.2748, 51.6057



18.5693, 18.1852, 22.7813



25.7269, 12.1732, 50.4283



2.5621, 1.2147, 4.9127



# Inverse Universe

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



46.0992, 27.4506, 14.4252



43.0114, 23.2262, 7.3811



43.7240, 75.0592, 37.8813



18.0965, 18.0219, 19.1254



21.6991, 11.1689, 1.7999



2.1393, 1.0981, 0.3152



# Previews

## White Background



This preview shows how the XYZ color 54.6356, 30.0202, 97.5226 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

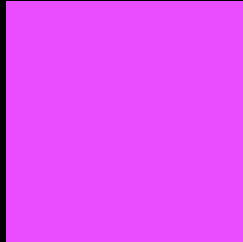
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 54.6356, 30.0202, 97.5226 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

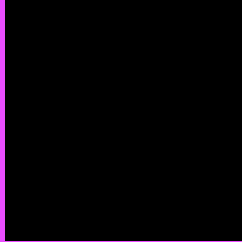
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 54.6356, 30.0202, 97.5226**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.6356, 30.0202, 97.5226.



This preview shows how white text looks on a background with the XYZ color 54.6356, 30.0202,

97.5226.

# 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

54.6356, 30.0202, 97.5226

### Protanopia

33.4745, 30.4304, 98.7171

### Deuteranopia

31.3984, 30.5079, 89.0278



## Tritanopia

39.4065, 29.6576, 24.0696

# Trichromacy



## Original Color

54.6356, 30.0202, 97.5226



## Protanomaly

37.1001, 27.1906, 97.9007



## Deuteranomaly

35.1992, 26.7210, 91.2982



## Tritanomaly

43.3308, 28.8039, 43.3203

# Monochromacy



## Original Color

54.6356, 30.0202, 97.5226



## Achromatopsia

26.5089, 27.8894, 30.3716



## Achromatomaly

33.4997, 26.2407, 48.6467

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.6356, 30.0202, 97.5226 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(234, 77, 255)` looks like.

```
.text, #text, p{  
    color:rgb(234, 77, 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(234, 77, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 77, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 54.6356, 30.0202, 97.5226 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(234, 77, 255) }
```



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

```
.border{ border-color:rgb(234, 77, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 77, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 77, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 77, 255);  
box-shadow:4px 4px 4px 4px rgb(234, 77,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.6356, 30.0202, 97.5226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 77, 255) }
```

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

```
.background{ background-color: rgb(234, 77,  
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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