

Converting Colors

XYZ(54.4042, 34.7579, 90.1654)

Have a look what the booklet for
XYZ(54.4042, 34.7579, 90.1654)
contains.

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Color

**XYZ(54.2705, 34.6749,
90.2188)**

Conversions

Conversions Part 1

Format	Color
Hex	E470F5
RGB	228, 112, 245
RGB Percent	89%, 44%, 96%
CMY	0.1059, 0.5608, 0.0392
CMYK	0.07, 0.54, 0.00, 0.04
HSL	292°, 87%, 70%
HSV	292°, 54%, 96%
XYZ	54.2705, 34.6749, 90.2188
YIQ	161.8460, 26.4430, 65.9550

Conversions

Conversions Part 2

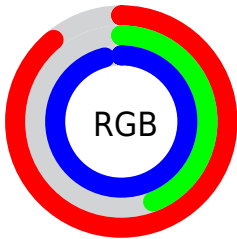
Format	Color
R _Y B	228, 112, 245
Decimal	14971125
CIE Lab	65.49, 63.54, -47.34
CIE LCh	65, 79.233, 323.310
Yxy	34.6749, 0.3029, 0.1935
Android (android.graphics.Color)	4293161205 (0xFFE470F5)
YUV	161.8460, 40.9949, 58.0171
Hunter-Lab	58.8854, 61.4614, -49.6189

Details

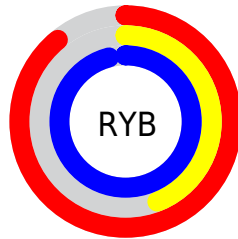
The XYZ color **54.2705, 34.6749, 90.2188** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **44.6314, 71.1427, 26.7104**, and the grayscale version is **34.0777, 35.8524, 39.0432**.

A 20% lighter version of the original color is **73.2926, 56.4853, 101.6475**, and **27.0209, 14.9093, 49.0306** is the 20% darker color. If you saturate the color by 10%, you get **50.9417, 29.4778, 89.3916**, and if you desaturate by 10%, it is **58.3551, 41.3547, 91.2934**.

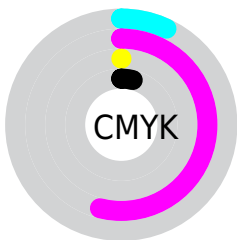
Distribution



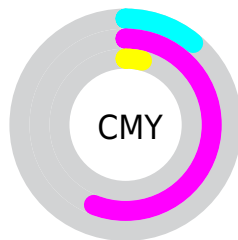
- Red (89%)
- Green (44%)
- Blue (96%)



- Red (89%)
- Yellow (44%)
- Blue (96%)



- Cyan (7%)
- Magenta (54%)
- Yellow (0%)
- Black (4%)





- Cyan (11%)
- Magenta (56%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.2705, 34.6749, 90.2188 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 54.2705, 34.6749, 90.2188 by changing the saturation by 10% instead.


 54.2705, 34.6749,
90.2188


 54.2705, 34.6749,
90.2188


393.3222,
323.1310, 549.3308


 39.0495, 23.4126,
67.5874


 95.6259, 66.9818,
149.5805

 26.9791, 14.8984,
49.0975


 122.4909, 88.7952,
187.1478

 17.6941, 8.7481,
34.3307


 153.9681,
114.8944, 230.5308

 10.8289, 4.5773,
22.8684

190.4226,
145.6637, 280.1481

 6.0184, 2.0014,
14.2920

232.2200,
181.4877, 336.4183

 2.8970, 0.6083,
8.1829

279.7254,

 1.0995, 0.0000,

222.7506, 399.7597

4.1228

333.3044,
269.8369, 470.5910

■ 0.0247, 0.0000,
1.6929

■ 0.0000, 0.0000,
0.3559

■ 54.2705, 34.6749,
90.2188

■ 54.2705, 34.6749,
90.2188

■ 50.9417, 29.4778,
89.3916

■ 58.3551, 41.3547,
91.2934

■ 48.3036, 25.6366,
88.7892

■ 63.2461, 49.6215,
92.6312

■ 46.2863, 23.0106,
88.3887

■ 68.9940, 59.5752,
94.2496

■ 44.8029, 21.4260,
88.1610

■ 75.6441, 71.3063,
96.1634

44.1215, 20.8415,
88.0841

83.2386, 84.8988,
98.3867

90.5256, 97.8488,
100.5023

91.6380, 98.4222,
100.5543

92.7691, 99.0053,
100.6073

93.4815, 99.3726,
100.6406

Harmonies

Analogous

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



42.5935, 34.6749, 132.0341



54.2705, 34.6749, 90.2188



60.4402, 34.6749, 45.6955

Triad

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



54.2705, 34.6749, 90.2188



35.6245, 34.6749, 3.2147



16.4257, 34.6749, 69.0882

Complementary

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



54.2705, 34.6749, 90.2188



44.6314, 71.1427, 26.7104

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.



15.3991, 34.6749, 30.7923



54.2705, 34.6749, 90.2188



24.8967, 34.6749, 4.2310

Square

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



54.2705, 34.6749, 90.2188



48.1590, 34.6749, 6.2070



18.1137, 34.6749, 11.0068



21.3475, 34.6749, 115.6219

Rectangle

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



54.2705, 34.6749, 90.2188



59.7727, 34.6749, 24.8771



18.1137, 34.6749, 11.0068



15.6699, 34.6749, 54.4508

Sweetspot

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



54.2718, 34.6764, 90.2195



81.4946, 75.6988, 104.9238



31.1121, 25.9334, 89.7526



17.1117, 15.6159, 22.3622



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.



54.2718, 34.6764, 90.2195



55.5141, 31.8675, 97.8329



53.4419, 34.9984, 56.3040



16.9930, 16.6546, 20.8616



23.8518, 11.2704, 47.4563



2.1534, 1.0200, 4.1736

Inverse Universe

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



47.4139, 32.5872, 24.5613



47.6715, 29.5817, 18.0737



45.7482, 71.3154, 44.9662



16.5853, 16.5170, 17.5629



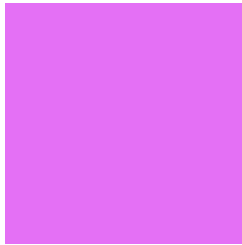
20.4489, 10.5230, 1.8063



1.8240, 0.9356, 0.2997

Previews

White Background



This preview shows how the XYZ color 54.2705, 34.6749, 90.2188 looks on a white background.

Color Contrast Check

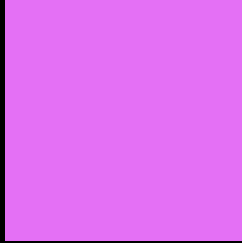
Large Text (above 18pt) WCAG AA × Fail

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 54.2705, 34.6749, 90.2188 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

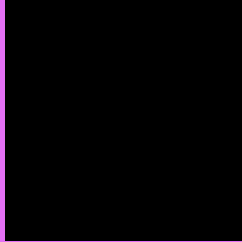
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 54.2705, 34.6749, 90.2188

Background



This preview shows how black text looks on a background with the XYZ color 54.2705, 34.6749, 90.2188.



This preview shows how white text looks on a background with the XYZ color 54.2705, 34.6749,

90.2188.

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

54.2705, 34.6749, 90.2188

Protanopia

37.6842, 34.9900, 99.3753

Deuteranopia

35.9704, 34.9281, 84.9667



Tritanopia

42.2365, 34.4450, 32.0262

Trichromacy



Original Color

54.2705, 34.6749, 90.2188



Protanomaly

41.0887, 33.0921, 95.4886



Deuteranomaly

40.1533, 33.0224, 86.6957



Tritanomaly

45.7816, 34.0729, 48.9635

Monochromacy



Original Color

54.2705, 34.6749, 90.2188



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

39.7374, 34.1914, 54.3744

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.2705, 34.6749, 90.2188 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(228, 112, 245)` looks like.

```
.text, #text, p{  
    color:rgb(228, 112, 245)  
}
```

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(228, 112, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 112, 245) }
```

Border

The CSS property to change the border of an element to XYZ 54.2705, 34.6749, 90.2188 is called "border". The border property can be set on classes, ids or directly on the HTML element.

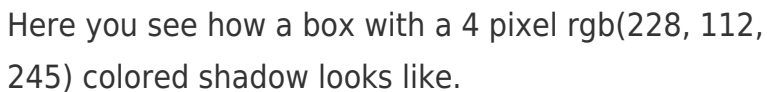
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(228, 112, 245) }
```


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

```
.border{ border-color:rgb(228, 112, 245) }
```

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



Here you see how a box with a 4 pixel `rgb(228, 112, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 112, 245); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 112, 245); box-shadow:4px 4px 4px 4px rgb(228, 112, 245) }
```

Background

The CSS property to change the background color of an element to XYZ 54.2705, 34.6749, 90.2188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 112, 245) }
```

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

```
.background{ background-color: rgb(228,  
112, 245) }
```

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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