

Converting Colors

XYZ(34.6047, 29.0527, 87.9264)

Have a look what the booklet for
XYZ(34.6047, 29.0527, 87.9264)
contains.

XYZ(34.5040, 29.0057, 87.7845)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(34.5040, 29.0057,
87.7845)**

Conversions

Conversions Part 1

Format	Color
Hex	8588F2
RGB	133, 136, 242
RGB Percent	52%, 53%, 95%
CMY	0.4784, 0.4667, 0.0510
CMYK	0.45, 0.44, 0.00, 0.05
HSL	238°, 81%, 74%
HSV	238°, 45%, 95%
XYZ	34.5040, 29.0057, 87.7845
YIQ	147.1870, -35.8140, 32.3300

Conversions

Conversions Part 2

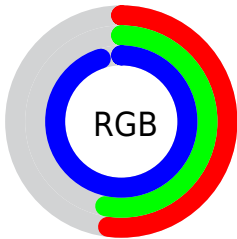
Format	Color
R _Y B	133, 136, 242
Decimal	8751346
CIE Lab	60.79, 25.70, -53.75
CIE LCh	61, 59.583, 295.557
Yxy	29.0057, 0.2281, 0.1917
Android (android.graphics.Color)	4286941426 (0xFF8588F2)
YUV	147.1870, 46.7428, -12.4420
Hunter-Lab	53.8569, 20.1082, -58.9403

Details

The XYZ color **34.5040, 29.0057, 87.7845** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **71.7195, 82.3057, 34.2985**, and the grayscale version is **27.6348, 29.0740, 31.6616**.

A 20% lighter version of the original color is **57.7335, 54.6916, 102.1214**, and **14.9864, 11.6542, 47.3586** is the 20% darker color. If you saturate the color by 10%, you get **28.1557, 21.3415, 86.6403**, and if you desaturate by 10%, it is **42.4623, 38.5808, 89.2138**.

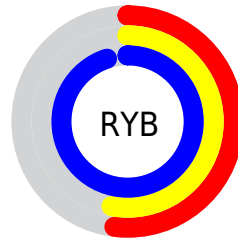
Distribution



Red (52%)

Green (53%)

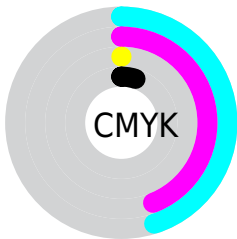
Blue (95%)



Red (52%)

Yellow (53%)

Blue (95%)

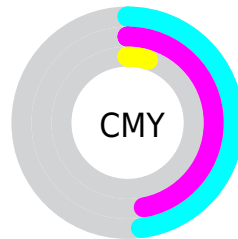


Cyan (45%)

Magenta (44%)

Yellow (0%)

Black (5%)



Cyan (48%)

Magenta (47%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.5040, 29.0057, 87.7845 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 34.5040, 29.0057, 87.7845 by changing the saturation by 10% instead.

■ 34.5040, 29.0057,
87.7845

■ 34.5040, 29.0057,
87.7845

313.9201,
297.2419, 541.1803

■ 23.4458, 19.0851,
65.5813

■ 66.0558, 58.0861,
146.1656

■ 15.0455, 11.7318,
47.4782

■ 87.2800, 78.0148,
183.1806

■ 8.9379, 6.5613,
33.0568

■ 112.6237,
102.0483, 225.9699

■ 4.7575, 3.1893,
21.8985

142.4520,
130.5710, 274.9520

■ 2.1390, 1.2314,
13.5847

177.1305,
163.9673, 330.5456

■ 0.7103, 0.0871,
7.6970

217.0244,

■ 0.0000, 0.0000,

202.6216, 393.1692

3.8167

262.4992,
246.9183, 463.2412

■ 0.0000, 0.0000,
1.5253

■ 0.0000, 0.0000,
0.2367

■ 34.5040, 29.0057,
87.7845

■ 34.5040, 29.0057,
87.7845

■ 28.1557, 21.3415,
86.6403

■ 42.4623, 38.5808,
89.2138

■ 23.3044, 15.4573,
85.7603

■ 52.1264, 50.1799,
90.9433

■ 19.8284, 11.2107,
85.1238

■ 63.5885, 63.9110,
92.9896

■ 17.5850, 8.4359,
84.7064

■ 76.9334, 79.8732,
95.3672

■ 16.4005, 6.9324,
84.4787

■ 92.2406, 98.1599,
98.0901

■ 16.0994, 6.5553,
84.4218

■ 93.0271, 99.1908,
98.2477

Harmonies

Analogous

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



26.4316, 29.0057, 96.0240



34.5040, 29.0057, 87.7845



41.7610, 29.0057, 62.3596

Triad

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



34.5040, 29.0057, 87.7845



36.8767, 29.0057, 7.8538



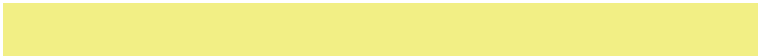
15.2296, 29.0057, 28.3926

Complementary

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



34.5040, 29.0057, 87.7845



71.7195, 82.3057, 34.2985

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.



17.0230, 29.0057, 13.0830



34.5040, 29.0057, 87.7845



28.7387, 29.0057, 5.2918

Square

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



34.5040, 29.0057, 87.7845



43.3010, 29.0057, 16.5272



21.6318, 29.0057, 6.6185



16.2002, 29.0057, 53.7806

Rectangle

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



34.5040, 29.0057, 87.7845



44.6472, 29.0057, 43.4565



21.6318, 29.0057, 6.6185



15.5181, 29.0057, 22.0958

Sweetspot

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



34.5052, 29.0067, 87.7852



73.0210, 73.6611, 104.9771



56.9126, 74.6863, 92.5886



14.9841, 14.9939, 22.3543



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.



34.5052, 29.0067, 87.7852



32.2745, 24.7187, 97.6779



44.1511, 33.3613, 88.1173



14.9321, 15.2983, 19.8875



8.6647, 3.5536, 45.3571



0.7330, 0.3200, 3.7773

Inverse Universe

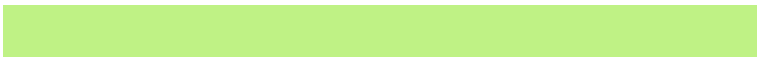
The Inverse Universe completely reimagines the original color for something new.



49.4504, 37.4313, 27.9120



51.0929, 35.4352, 22.2640



57.5063, 76.2923, 33.8869



15.7904, 15.7659, 16.4526



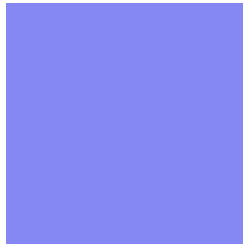
19.6991, 10.1521, 1.0663



1.6449, 0.8470, 0.1211

Previews

White Background



This preview shows how the XYZ color 34.5040, 29.0057, 87.7845 looks on a white background.

Color Contrast Check

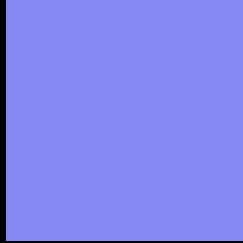
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.5040, 29.0057, 87.7845 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

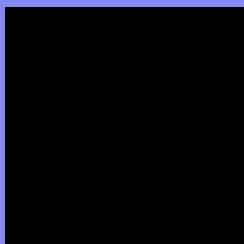
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.5040, 29.0057, 87.7845

Background



This preview shows how black text looks on a background with the XYZ color 34.5040, 29.0057, 87.7845.



This preview shows how white text looks on a background with the XYZ color 34.5040, 29.0057,

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

34.5040, 29.0057, 87.7845

Protanopia

32.1326, 29.1889, 92.7474

Deuteranopia

30.1864, 29.2334, 86.4897



Tritanopia

24.8649, 28.9438, 39.8735

Trichromacy



Original Color

34.5040, 29.0057, 87.7845

Protanomaly

32.8227, 28.9207, 91.0411

Deuteranomaly

31.4086, 28.9389, 87.1494

Tritanomaly

27.8051, 28.7108, 54.5283

Monochromacy



Original Color

34.5040, 29.0057, 87.7845

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

29.4213, 28.7731, 48.2591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5040, 29.0057, 87.7845 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(133, 136, 242)` looks like.

```
.text, #text, p{  
    color:rgb(133, 136, 242)  
}
```

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(133, 136, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 136, 242) }
```

Border

The CSS property to change the border of an element to XYZ 34.5040, 29.0057, 87.7845 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(133, 136, 242) }
```


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

```
.border{ border-color:rgb(133, 136, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 136, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 136, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 136, 242);  
box-shadow:4px 4px 4px 4px rgb(133, 136,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5040, 29.0057, 87.7845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 136, 242) }
```

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

```
.background{ background-color: rgb(133,  
136, 242) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor