

Converting Colors

XYZ(34.6502, 29.1339, 75.5472)

Have a look what the booklet for
XYZ(34.6502, 29.1339, 75.5472)
contains.

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Color

**XYZ(34.7859, 29.2085,
75.7559)**

Conversions

Conversions Part 1

Format	Color
Hex	9587E2
RGB	149, 135, 226
RGB Percent	58%, 53%, 89%
CMY	0.4157, 0.4706, 0.1137
CMYK	0.34, 0.40, 0.00, 0.11
HSL	249°, 61%, 71%
HSV	249°, 40%, 89%
XYZ	34.7859, 29.2085, 75.7559
YIQ	149.5600, -20.8670, 31.2690

Conversions

Conversions Part 2

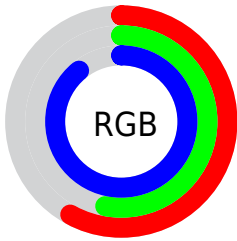
Format	Color
RYB	149, 135, 226
Decimal	9799650
CIELab	60.97, 25.90, -44.52
CIELCh	61, 51.510, 300.191
Yxy	29.2085, 0.2489, 0.2090
Android (android.graphics.Color)	4287989730 (0xFF9587E2)
YUV	149.5600, 37.6849, -0.4911
Hunter-Lab	54.0449, 20.3127, -45.2767

Details

The XYZ color **34.7859, 29.2085, 75.7559** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **58.7212, 70.1395, 33.3660**, and the grayscale version is **28.6562, 30.1486, 32.8318**.

A 20% lighter version of the original color is **61.2101, 56.1656, 102.2227**, and **15.2235, 11.8322, 39.5117** is the 20% darker color. If you saturate the color by 10%, you get **28.7539, 21.9048, 74.6646**, and if you desaturate by 10%, it is **42.0621, 38.1481, 77.0985**.

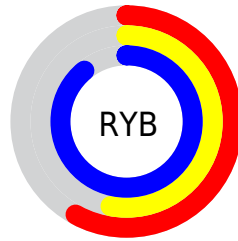
Distribution



Red (58%)

Green (53%)

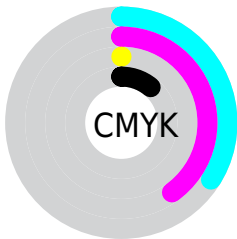
Blue (89%)



Red (58%)

Yellow (53%)

Blue (89%)

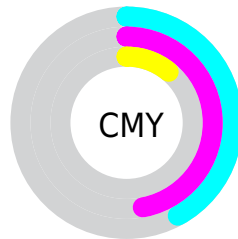


Cyan (34%)

Magenta (40%)

Yellow (0%)

Black (11%)



Cyan (42%)

Magenta (47%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.7859, 29.2085, 75.7559 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 34.7859, 29.2085, 75.7559 by changing the saturation by 10% instead.

■ 34.7859, 29.2085,
75.7559

■ 34.7859, 29.2085,
75.7559

315.1469,
298.1975, 499.8363

■ 23.6637, 19.2386,
55.7269

■ 66.4902, 58.4082,
129.1387

■ 15.2078, 11.8428,
39.5815

■ 87.8030, 78.4068,
163.3296

■ 9.0526, 6.6367,
26.9011

■ 113.2434,
102.5170, 203.0783

■ 4.8329, 3.2360,
17.2672

143.1768,
131.1234, 248.8032

■ 2.1833, 1.2561,
10.2612

177.9685,
164.6102, 300.9229

■ 0.7339, 0.1069,
5.4646

217.9838,

■ 0.0000, 0.0000,

203.3619, 359.8560

2.4589

263.5882,
247.7628, 426.0209

■ 0.0000, 0.0000,
0.8183

■ 0.0000, 0.0000,
0.0000

■ 34.7859, 29.2085,
75.7559

■ 34.7859, 29.2085,
75.7559

■ 28.7539, 21.9048,
74.6646

■ 42.0621, 38.1481,
77.0985

■ 23.8922, 16.1339,
73.8069

■ 50.6443, 48.8117,
78.7044

■ 20.1241, 11.7860,
73.1663

■ 60.5940, 61.2849,
80.5876

■ 17.3617, 8.7351,
72.7230

■ 71.9677, 75.6468,
82.7602

■ 15.5033, 6.8324,
72.4537

■ 84.8188, 91.9714,
85.2339

■ 14.4130, 5.8444,
72.3205

■ 90.7276, 98.2710,
86.1384

Harmonies

Analogous

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



27.8050, 29.2085, 85.0737



34.7859, 29.2085, 75.7559



40.5619, 29.2085, 53.9945

Triad

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



34.7859, 29.2085, 75.7559



34.6991, 29.2085, 9.2764



16.7342, 29.2085, 31.9268

Complementary

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



34.7859, 29.2085, 75.7559



58.7212, 70.1395, 33.3660

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.



17.9850, 29.2085, 16.7167



34.7859, 29.2085, 75.7559



27.7187, 29.2085, 7.2839

Square

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



34.7859, 29.2085, 75.7559



40.5064, 29.2085, 16.5777



21.7533, 29.2085, 9.3309



18.0173, 29.2085, 54.2996

Rectangle

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



34.7859, 29.2085, 75.7559



42.5533, 29.2085, 38.5389



21.7533, 29.2085, 9.3309



16.8694, 29.2085, 25.9018

Sweetspot

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



34.7870, 29.2096, 75.7566



77.1609, 77.4224, 105.4849



47.3510, 57.9048, 80.6331



16.1343, 16.0927, 22.5058



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.



34.7870, 29.2096, 75.7566



39.2258, 30.5065, 98.4287



44.6789, 34.3091, 76.2195



13.1474, 13.3440, 17.2704



8.2854, 3.3666, 41.2615



0.6361, 0.2652, 2.8629

Inverse Universe

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



51.9122, 38.2510, 66.9343



64.7375, 43.9916, 84.5637



47.4750, 64.3418, 32.8396



14.1996, 13.8975, 16.8215



23.3083, 11.3903, 29.3529



1.6404, 0.7994, 2.1653

Previews

White Background



This preview shows how the XYZ color 34.7859, 29.2085, 75.7559 looks on a white background.

Color Contrast Check

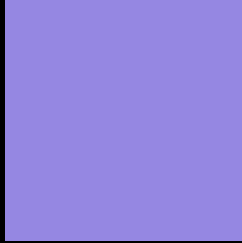
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.7859, 29.2085, 75.7559 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 34.7859, 29.2085, 75.7559

Background



This preview shows how black text looks on a background with the XYZ color 34.7859, 29.2085, 75.7559.



This preview shows how white text looks on a background with the XYZ color 34.7859, 29.2085,

75.7559.

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

34.7859, 29.2085, 75.7559

Protanopia

31.6346, 29.3977, 81.8489

Deuteranopia

30.3187, 29.5643, 74.6295



Tritanopia

27.1721, 29.2190, 37.9259

Trichromacy



Original Color

34.7859, 29.2085, 75.7559

Protanomaly

32.5529, 29.2549, 79.5323

Deuteranomaly

31.7252, 29.3663, 75.2303

Tritanomaly

29.5454, 29.0247, 49.9441

Monochromacy



Original Color

34.7859, 29.2085, 75.7559

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

30.7390, 29.9492, 46.2801

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7859, 29.2085, 75.7559 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(149, 135, 226)` looks like.

```
.text, #text, p{  
    color:rgb(149, 135, 226)  
}
```

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(149, 135, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 135, 226) }
```

Border

The CSS property to change the border of an element to XYZ 34.7859, 29.2085, 75.7559 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(149, 135, 226) }
```


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

```
.border{ border-color:rgb(149, 135, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 135, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(149, 135, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(149, 135, 226); box-shadow:4px 4px 4px 4px rgb(149, 135, 226) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7859, 29.2085, 75.7559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 135, 226) }
```

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

```
.background{ background-color: rgb(149,  
135, 226) }
```

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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