

Converting Colors

XYZ(34.3639, 28.1191, 86.6871)

Have a look what the booklet for
XYZ(34.3639, 28.1191, 86.6871)
contains.

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Color

**XYZ(34.4450, 28.1718,
86.8413)**

Conversions

Conversions Part 1

Format	Color
Hex	8984F1
RGB	137, 132, 241
RGB Percent	54%, 52%, 95%
CMY	0.4627, 0.4823, 0.0549
CMYK	0.43, 0.45, 0.00, 0.05
HSL	243°, 80%, 73%
HSV	243°, 45%, 95%
XYZ	34.4450, 28.1718, 86.8413
YIQ	145.9210, -32.0090, 34.9590

Conversions

Conversions Part 2

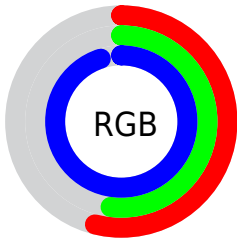
Format	Color
R_{YB}	137, 132, 241
Decimal	9012465
CIE _{Lab}	60.04, 28.70, -54.37
CIE _{LCh}	60, 61.478, 297.833
Yxy	28.1718, 0.2305, 0.1885
Android (android.graphics.Color)	4287202545 (0xFF8984F1)
YUV	145.9210, 46.8739, -7.8237
Hunter-Lab	53.0771, 22.9547, -59.8524

Details

The XYZ color **34.4450, 28.1718, 86.8413** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **70.2119, 82.4095, 34.0366**, and the grayscale version is **27.1139, 28.5259, 31.0647**.

A 20% lighter version of the original color is **57.9046, 53.5200, 101.8862**, and **15.0533, 11.3527, 46.7453** is the 20% darker color. If you saturate the color by 10%, you get **28.1704, 20.6335, 85.7175**, and if you desaturate by 10%, it is **42.2799, 37.6356, 88.2556**.

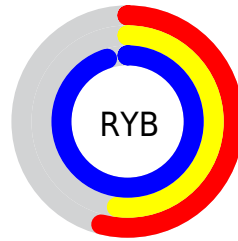
Distribution



Red (54%)

Green (52%)

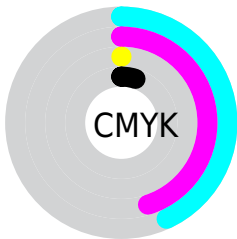
Blue (95%)



Red (54%)

Yellow (52%)

Blue (95%)

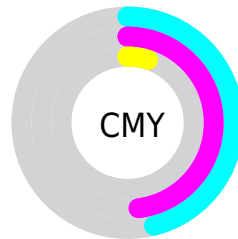


Cyan (43%)

Magenta (45%)

Yellow (0%)

Black (5%)



Cyan (46%)

Magenta (48%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.4450, 28.1718, 86.8413 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 34.4450, 28.1718, 86.8413 by changing the saturation by 10% instead.

■ 34.4450, 28.1718,
86.8413

■ 34.4450, 28.1718,
86.8413

313.6629,
293.2869, 538.0039

■ 23.4002, 18.4552,
64.8050

■ 65.9648, 56.7586,
144.8398

■ 15.0116, 11.2773,
46.8526

■ 87.1705, 76.3976,
181.6392

■ 8.9139, 6.2537,
32.5657

■ 112.4938,
100.1129, 224.1966

■ 4.7417, 2.9999,
21.5255

142.3002,
128.2888, 272.9306

■ 2.1297, 1.1317,
13.3137

176.9549,
161.3098, 328.2598

■ 0.7053, 0.0048,
7.5117

216.8233,

■ 0.0000, 0.0000,

199.5602, 390.6028

3.7008

262.2709,
243.4244, 460.3779

■ 0.0000, 0.0000,
1.4627

■ 0.0000, 0.0000,
0.1899

■ 34.4450, 28.1718,
86.8413

■ 34.4450, 28.1718,
86.8413

■ 28.1704, 20.6335,
85.7175

■ 42.2799, 37.6356,
88.2556

■ 23.3483, 14.8859,
84.8623

■ 51.7661, 49.1415,
89.9765

■ 19.8631, 10.7813,
84.2537

■ 62.9920, 62.8004,
92.0213

■ 17.5796, 8.1472,
83.8656

■ 76.0384, 78.7142,
94.4053

■ 16.3344, 6.7729,
83.6660

■ 90.9814, 96.9784,
97.1431

■ 16.0161, 6.4225,
83.6151

■ 92.8773, 99.1309,
97.4586

Harmonies

Analogous

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



26.2108, 28.1718, 97.1527



34.4450, 28.1718, 86.8413



41.6624, 28.1718, 59.8587

Triad

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



34.4450, 28.1718, 86.8413



35.6254, 28.1718, 6.7280



14.3662, 28.1718, 29.0715

Complementary

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



34.4450, 28.1718, 86.8413



70.2119, 82.4095, 34.0366

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.



15.9403, 28.1718, 12.9595



34.4450, 28.1718, 86.8413



27.3502, 28.1718, 4.6039

Square

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



34.4450, 28.1718, 86.8413



42.4321, 28.1718, 14.6166



20.3399, 28.1718, 6.1519



15.5406, 28.1718, 55.5532

Rectangle

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



34.4450, 28.1718, 86.8413



44.3700, 28.1718, 40.6970



20.3399, 28.1718, 6.1519



14.5836, 28.1718, 22.4492

Sweetspot

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



34.4461, 28.1728, 86.8420



73.2599, 73.4022, 104.9146



55.7840, 72.0380, 94.1842



15.0412, 14.9321, 22.3394



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.



34.4461, 28.1728, 86.8420



32.7036, 24.2694, 97.5685



45.3977, 33.8185, 87.3545



14.9643, 15.2633, 19.8790



8.7153, 3.4983, 45.3438



0.7485, 0.3031, 3.7733

Inverse Universe

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



59.6675, 41.2600, 84.1746



64.6853, 40.8722, 93.8410



55.1176, 74.6281, 33.3302



16.4211, 16.0181, 19.7737



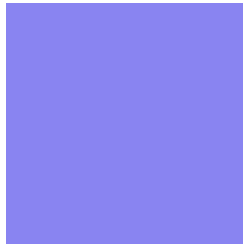
27.4264, 13.2430, 41.7575



2.2912, 1.1055, 3.5245

Previews

White Background



This preview shows how the XYZ color 34.4450, 28.1718, 86.8413 looks on a white background.

Color Contrast Check

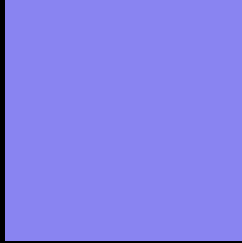
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.4450, 28.1718, 86.8413 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

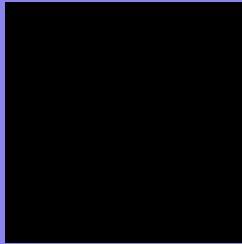
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.4450, 28.1718, 86.8413

Background



This preview shows how black text looks on a background with the XYZ color 34.4450, 28.1718, 86.8413.



This preview shows how white text looks on a background with the XYZ color 34.4450, 28.1718,

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

34.4450, 28.1718, 86.8413

Protanopia

31.4476, 28.3761, 93.4422

Deuteranopia

29.2142, 28.3087, 84.8133



Tritanopia

24.7641, 28.2032, 38.3210

Trichromacy



Original Color

34.4450, 28.1718, 86.8413

Protanomaly

32.2786, 28.2103, 90.9326

Deuteranomaly

30.5516, 27.8717, 85.4309

Tritanomaly

27.5386, 27.6916, 53.1838

Monochromacy



Original Color

34.4450, 28.1718, 86.8413

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

29.1931, 28.2256, 47.6255

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4450, 28.1718, 86.8413 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(137, 132, 241)` looks like.

```
.text, #text, p{  
    color:rgb(137, 132, 241)  
}
```

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(137, 132, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 132, 241) }
```

Border

The CSS property to change the border of an element to XYZ 34.4450, 28.1718, 86.8413 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(137, 132, 241) }
```


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

```
.border{ border-color:rgb(137, 132, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 132, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 132, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 132, 241);  
box-shadow:4px 4px 4px 4px rgb(137, 132,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4450, 28.1718, 86.8413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 132, 241) }
```

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

```
.background{ background-color: rgb(137,  
132, 241) }
```

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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