

Converting Colors

XYZ(34.5371, 26.9845, 84.2966)

Have a look what the booklet for
XYZ(34.5371, 26.9845, 84.2966)
contains.

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Color

**XYZ(34.4433, 26.8600,
84.2581)**

Conversions

Conversions Part 1

Format	Color
Hex	917DEE
RGB	145, 125, 238
RGB Percent	57%, 49%, 93%
CMY	0.4314, 0.5098, 0.0667
CMYK	0.39, 0.47, 0.00, 0.07
HSL	251°, 77%, 71%
HSV	251°, 47%, 93%
XYZ	34.4433, 26.8600, 84.2581
YIQ	143.8620, -24.3530, 39.3830

Conversions

Conversions Part 2

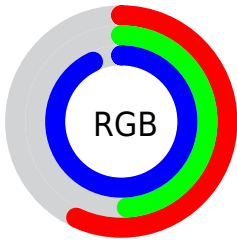
Format	Color
RYB	145, 125, 238
Decimal	9534958
CIELab	58.84, 33.87, -54.58
CIELCh	59, 64.229, 301.821
Yxy	26.8600, 0.2366, 0.1845
Android (android.graphics.Color)	4287725038 (0xFF917DEE)
YUV	143.8620, 46.4100, 0.9980
Hunter-Lab	51.8266, 27.9321, -60.1132

Details

The XYZ color **34.4433, 26.8600, 84.2581** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **63.1896, 77.5354, 31.0381**, and the grayscale version is **26.2810, 27.6497, 30.1105**.

A 20% lighter version of the original color is **58.3275, 51.6173, 101.4967**, and **15.0448, 10.6289, 44.9747** is the 20% darker color. If you saturate the color by 10%, you get **28.6245, 19.9111, 83.2240**, and if you desaturate by 10%, it is **41.5811, 35.5610, 85.5619**.

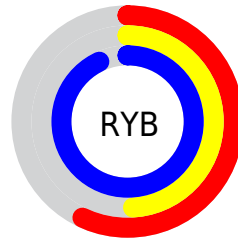
Distribution



Red (57%)

Green (49%)

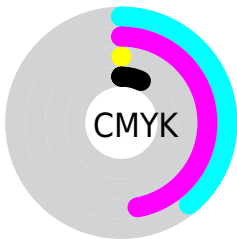
Blue (93%)



Red (57%)

Yellow (49%)

Blue (93%)

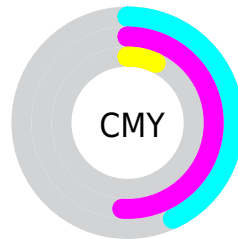


Cyan (39%)

Magenta (47%)

Yellow (0%)

Black (7%)



Cyan (43%)

Magenta (51%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.4433, 26.8600, 84.2581 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 34.4433, 26.8600, 84.2581 by changing the saturation by 10% instead.

■ 34.4433, 26.8600,
84.2581

■ 34.4433, 26.8600,
84.2581

313.6555,
286.9786, 529.2504

■ 23.3989, 17.4681,
62.6819

■ 65.9622, 54.6591,
141.2011

■ 15.0106, 10.5688,
45.1446

■ 87.1673, 73.8352,
177.4050

■ 8.9132, 5.7777,
31.2276

■ 112.4901, 97.0414,
219.3219

■ 4.7413, 2.7104,
20.5123

142.2958,
124.6621, 267.3704

■ 2.1295, 0.9825,
12.5802

176.9498,
157.0818, 321.9689

■ 0.7052, 0.0000,
7.0128

216.8176,

■ 0.0000, 0.0000,

194.6849, 383.5361

3.3915

262.2643,
237.8557, 452.4904

■ 0.0000, 0.0000,
1.2979

■ 0.0000, 0.0000,
0.0600

■ 34.4433, 26.8600,
84.2581

■ 34.4433, 26.8600,
84.2581

■ 28.6245, 19.9111,
83.2240

■ 41.5811, 35.5610,
85.5619

■ 24.0385, 14.5910,
82.4389

■ 50.1101, 46.1203,
87.1505

■ 20.5936, 10.7645,
81.8818

■ 60.1012, 58.6389,
89.0403

■ 18.1832, 8.2728,
81.5279

■ 71.6193, 73.2098,
91.2457

■ 16.6733, 6.9093,
81.3443

■ 84.7256, 89.9199,
93.7803

■ 16.3929, 6.6681,
81.3126

■ 92.4327, 98.9531,
95.1176

Harmonies

Analogous

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



26.0174, 26.8600, 98.2096



34.4433, 26.8600, 84.2581



41.4677, 26.8600, 55.0948

Triad

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



34.4433, 26.8600, 84.2581



33.4284, 26.8600, 5.1707



13.1205, 26.8600, 30.6561

Complementary

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



34.4433, 26.8600, 84.2581



63.1896, 77.5354, 31.0381

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.



14.3093, 26.8600, 13.0912



34.4433, 26.8600, 84.2581



25.0480, 26.8600, 3.7112

Square

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



34.4433, 26.8600, 84.2581



40.8016, 26.8600, 11.7341



18.3040, 26.8600, 5.6204



14.6414, 26.8600, 58.8440

Rectangle

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



34.4433, 26.8600, 84.2581



43.7928, 26.8600, 35.9087



18.3040, 26.8600, 5.6204



13.2153, 26.8600, 23.4630

Sweetspot

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



34.4444, 26.8610, 84.2588



74.7046, 74.1470, 104.9822



49.2657, 61.2838, 90.1219



15.3879, 15.1108, 22.3556



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.



34.4444, 26.8610, 84.2588



33.6410, 23.4789, 97.3665



46.6755, 33.1663, 84.8312



15.1581, 15.3632, 19.8881



9.2211, 3.7591, 45.3674



0.8406, 0.3506, 3.7776

Inverse Universe

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



55.2487, 37.9069, 70.7335



60.9590, 38.0088, 78.4510



49.3130, 70.3818, 30.3887



16.3272, 15.9806, 19.2791



25.2656, 12.3786, 30.3786



2.1330, 1.0422, 2.6911

Previews

White Background



This preview shows how the XYZ color 34.4433, 26.8600, 84.2581 looks on a white background.

Color Contrast Check

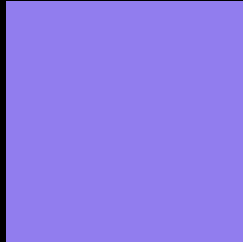
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.4433, 26.8600, 84.2581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

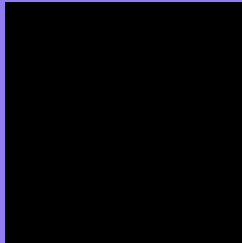
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.4433, 26.8600, 84.2581

Background



This preview shows how black text looks on a background with the XYZ color 34.4433, 26.8600, 84.2581.



This preview shows how white text looks on a background with the XYZ color 34.4433, 26.8600,

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

34.4433, 26.8600, 84.2581

Protanopia

30.4636, 27.2029, 94.0876

Deuteranopia

27.9176, 27.0358, 81.5889



Tritanopia

24.5782, 26.7824, 35.3266

Trichromacy



Original Color

34.4433, 26.8600, 84.2581

Protanomaly

31.3288, 26.6801, 90.6873

Deuteranomaly

29.5085, 26.5495, 82.1666

Tritanomaly

27.4815, 26.4230, 50.1061

Monochromacy



Original Color

34.4433, 26.8600, 84.2581

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

28.4831, 27.0350, 45.8365

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4433, 26.8600, 84.2581 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(145, 125, 238)` looks like.

```
.text, #text, p{  
    color:rgb(145, 125, 238)  
}
```

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(145, 125, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 125, 238) }
```

Border

The CSS property to change the border of an element to XYZ 34.4433, 26.8600, 84.2581 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(145, 125, 238) }
```


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

```
.border{ border-color:rgb(145, 125, 238) }
```

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

Here you see how a box with a 4 pixel rgb(145, 125, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 125, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 125, 238);  
box-shadow:4px 4px 4px 4px rgb(145, 125,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4433, 26.8600, 84.2581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 125, 238) }
```

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

```
.background{ background-color: rgb(145,  
125, 238) }
```

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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