

Converting Colors

XYZ(35.6633, 27.6601, 98.0670)

Have a look what the booklet for
XYZ(35.6633, 27.6601, 98.0670)
contains.

XYZ(35.6310, 27.5496, 98.0474)	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(35.6310, 27.5496,
98.0474)**

Conversions

Conversions Part 1

Format	Color
Hex	877FFF
RGB	135, 127, 255
RGB Percent	53%, 50%, 100%
CMY	0.4706, 0.5020, 0.0000
CMYK	0.47, 0.50, 0.00, 0.00
HSL	244°, 100%, 75%
HSV	244°, 50%, 100%
XYZ	35.6310, 27.5496, 98.0474
YIQ	143.9840, -36.3200, 41.5040

Conversions

Conversions Part 2

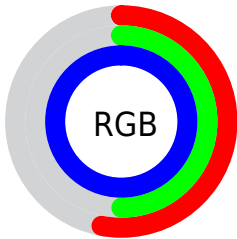
Format	Color
R_{YB}	135, 127, 255
Decimal	8880127
CIE _{Lab}	59.48, 35.18, -63.00
CIE _{LCh}	59, 72.153, 299.181
Yxy	27.5496, 0.2210, 0.1709
Android (android.graphics.Color)	4287070207 (0xFF877FFF)
YUV	143.9840, 54.7309, -7.8790
Hunter-Lab	52.4877, 29.3203, -74.0127

Details

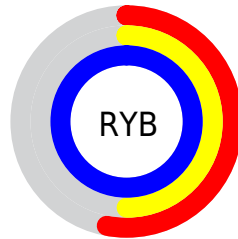
The XYZ color **35.6310, 27.5496, 98.0474** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **77.9473, 92.8258, 33.8881**, and the grayscale version is **26.3010, 27.6707, 30.1334**.

A 20% lighter version of the original color is **56.6194, 51.3319, 101.5316**, and **15.7041, 10.9759, 54.1142** is the 20% darker color. If you saturate the color by 10%, you get **29.3206, 20.0110, 96.9249**, and if you desaturate by 10%, it is **43.6402, 37.2014, 99.4882**.

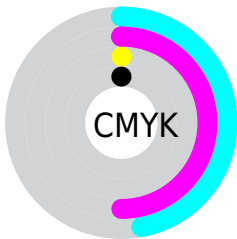
Distribution



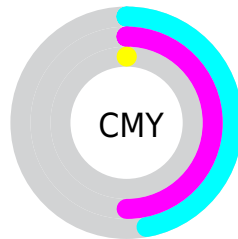
- Red (53%)
- Green (50%)
- Blue (100%)



- Red (53%)
- Yellow (50%)
- Blue (100%)



- Cyan (47%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)





- Cyan (47%)
- Magenta (50%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.6310, 27.5496, 98.0474 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 35.6310, 27.5496, 98.0474 by changing the saturation by 10% instead.


 35.6310, 27.5496,
98.0474


 35.6310, 27.5496,
98.0474


318.8043,
290.3084, 575.1072

 24.3181, 17.9864,
74.0631


 67.7897, 55.7645,
160.4997

 15.6958, 10.9402,
54.3486


 89.3663, 75.1851,
199.8047

 9.3986, 6.0267,
38.4853


 115.0949, 98.6602,
245.0537

 5.0613, 2.8613,
26.0548

145.3407,
126.5744, 296.6652

 2.3184, 1.0598,
16.6385

180.4692,
159.3118, 355.0578

 0.8040, 0.0000,
9.8179

220.8457,

 0.0000, 0.0000,

197.2571, 420.6499

5.1744

266.8356,
240.7945, 493.8603

■ 0.0000, 0.0000,
2.2894

■ 0.0000, 0.0000,
0.7253

■ 35.6310, 27.5496,
98.0474

■ 35.6310, 27.5496,
98.0474

■ 29.3206, 20.0110,
96.9249

■ 43.6402, 37.2014,
99.4882

■ 24.5832, 14.4247,
96.0963

■ 53.4554, 49.1062,
101.2688

■ 21.2806, 10.6106,
95.5342

■ 65.1790, 63.3945,
103.4088

■ 19.2489, 8.3542,
95.2057

■ 78.9045, 80.1864,
105.9266

■ 18.2627, 7.3297,
95.0600

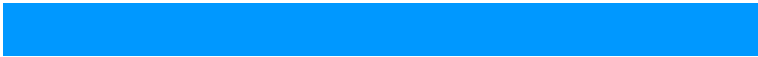
94.7195, 99.5939,
108.8390

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



25.9370, 27.5496, 112.6539



35.6310, 27.5496, 98.0474



44.1770, 27.5496, 63.5069

Triad

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



35.6310, 27.5496, 98.0474



36.1630, 27.5496, 4.3123



12.3426, 27.5496, 29.2896

Complementary

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



35.6310, 27.5496, 98.0474



77.9473, 92.8258, 33.8881

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.



13.8922, 27.5496, 11.0084



35.6310, 27.5496, 98.0474



26.4348, 27.5496, 2.6544

Square

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



35.6310, 27.5496, 98.0474



44.5307, 27.5496, 11.6535



18.5761, 27.5496, 4.1196



13.7297, 27.5496, 61.4929

Rectangle

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



35.6310, 27.5496, 98.0474



47.2951, 27.5496, 40.3704



18.5761, 27.5496, 4.1196



12.5301, 27.5496, 21.5725

Sweetspot

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



35.6321, 27.5505, 98.0475



72.0545, 71.7990, 104.6686



60.5548, 79.2365, 106.7103



14.8114, 14.6204, 22.2913



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.



35.6321, 27.5505, 98.0475



29.4285, 20.1391, 96.9439



48.7706, 34.3236, 98.6624



17.1081, 17.4320, 22.7130



9.5826, 3.8505, 49.6727



0.9682, 0.3930, 4.8381

Inverse Universe

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



65.6175, 43.1543, 92.8639



62.5390, 37.3818, 90.6524



59.5023, 83.3171, 33.0249



18.7407, 18.2796, 22.5178



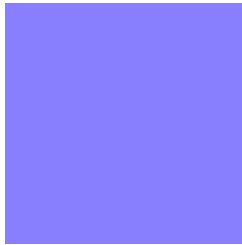
29.7150, 14.3753, 44.0110



2.9075, 1.4054, 4.3603

Previews

White Background



This preview shows how the XYZ color 35.6310, 27.5496, 98.0474 looks on a white background.

Color Contrast Check

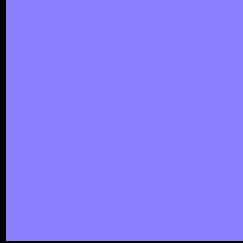
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.6310, 27.5496, 98.0474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

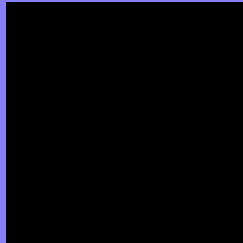
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.6310, 27.5496, 98.0474

Background



This preview shows how black text looks on a background with the XYZ color 35.6310, 27.5496, 98.0474.



This preview shows how white text looks on a background with the XYZ color 35.6310, 27.5496,

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

35.6310, 27.5496, 98.0474

Protanopia

31.2131, 27.7115, 98.3115

Deuteranopia

28.8534, 27.8939, 95.1301



Tritanopia

23.7346, 27.6725, 38.2728

Trichromacy



Original Color

35.6310, 27.5496, 98.0474

Protanomaly

32.4229, 27.4910, 98.2052

Deuteranomaly

30.0525, 26.9546, 95.7143

Tritanomaly

27.1080, 27.1831, 56.0427

Monochromacy



Original Color

35.6310, 27.5496, 98.0474

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

28.7247, 27.3004, 49.1029

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6310, 27.5496, 98.0474 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(135, 127, 255)` looks like.

```
.text, #text, p{  
    color:rgb(135, 127, 255)  
}
```

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(135, 127, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 127, 255) }
```

Border

The CSS property to change the border of an element to XYZ 35.6310, 27.5496, 98.0474 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(135, 127, 255) }
```


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

```
.border{ border-color:rgb(135, 127, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 127, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 127, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 127, 255);  
box-shadow:4px 4px 4px 4px rgb(135, 127,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6310, 27.5496, 98.0474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 127, 255) }
```

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

```
.background{ background-color: rgb(135,  
127, 255) }
```

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