

Converting Colors

XYZ(34.5587, 27.5221, 78.6537)

Have a look what the booklet for
XYZ(34.5587, 27.5221, 78.6537)
contains.

XYZ(34.5798, 27.6355, 78.3746)	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(34.5798, 27.6355,
78.3746)**

Conversions

Conversions Part 1

Format	Color
Hex	9680E6
RGB	150, 128, 230
RGB Percent	59%, 50%, 90%
CMY	0.4117, 0.4980, 0.0980
CMYK	0.35, 0.44, 0.00, 0.10
HSL	253°, 67%, 70%
HSV	253°, 44%, 90%
XYZ	34.5798, 27.6355, 78.3746
YIQ	146.2060, -19.6300, 36.3860

Conversions

Conversions Part 2

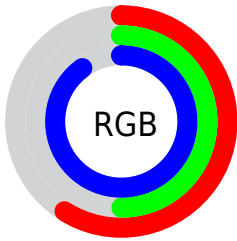
Format	Color
R_{YB}	150, 128, 230
Decimal	9863398
CIE _{Lab}	59.56, 31.26, -48.97
CIE _{LCh}	60, 58.096, 302.554
Yxy	27.6355, 0.2460, 0.1966
Android (android.graphics.Color)	4288053478 (0xFF9680E6)
YUV	146.2060, 41.3104, 3.3273
Hunter-Lab	52.5695, 25.4193, -51.5954

Details

The XYZ color **34.5798, 27.6355, 78.3746** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **58.2056, 71.5624, 31.1680**, and the grayscale version is **27.2486, 28.6676, 31.2191**.

A 20% lighter version of the original color is **60.3060, 53.5331, 101.7622**, and **15.0837, 10.9377, 41.3606** is the 20% darker color. If you saturate the color by 10%, you get **28.8451, 20.7195, 77.3425**, and if you desaturate by 10%, it is **41.5075, 36.1767, 79.6586**.

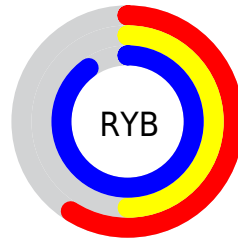
Distribution



Red (59%)

Green (50%)

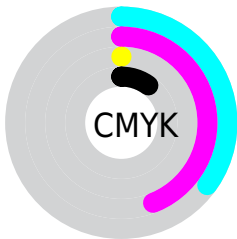
Blue (90%)



Red (59%)

Yellow (50%)

Blue (90%)

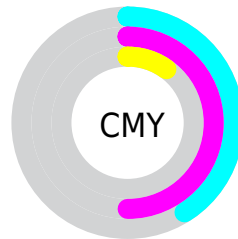


Cyan (35%)

Magenta (44%)

Yellow (0%)

Black (10%)



Cyan (41%)

Magenta (50%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.5798, 27.6355, 78.3746 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 34.5798, 27.6355, 78.3746 by changing the saturation by 10% instead.

■ 34.5798, 27.6355,
78.3746

■ 34.5798, 27.6355,
78.3746

314.2503,
290.7211, 508.9997

■ 23.5044, 18.0511,
57.8635

■ 66.1726, 55.9020,
132.8687

■ 15.0891, 10.9867,
41.2849

■ 87.4207, 75.3528,
167.6888

■ 8.9687, 6.0579,
28.2204

■ 112.7904, 98.8612,
208.1156

■ 4.7777, 2.8803,
18.2514

142.6471,
126.8117, 254.5677

■ 2.1508, 1.0696,
10.9593

177.3560,
159.5884, 307.4636

■ 0.7166, 0.0000,
5.9257

217.2826,

■ 0.0000, 0.0000,

197.5760, 367.2219

2.7319

262.7923,
241.1588, 434.2611

■ 0.0000, 0.0000,
0.9594

■ 0.0000, 0.0000,
0.0000

■ 34.5798, 27.6355,
78.3746

■ 34.5798, 27.6355,
78.3746

■ 28.8451, 20.7195,
77.3425

■ 41.5075, 36.1767,
79.6586

■ 24.2303, 15.3206,
76.5436

■ 49.6891, 46.4355,
81.2075

■ 20.6591, 11.3220,
75.9600

■ 59.1847, 58.5012,
83.0360

■ 18.0435, 8.5884,
75.5702

■ 70.0499, 72.4557,
85.1568

■ 16.2790, 6.9558,
75.3481

■ 82.3369, 88.3759,
87.5821

■ 15.5794, 6.3815,
75.2741

■ 91.2830, 98.4932,
89.0635

Harmonies

Analogous

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



26.8982, 27.6355, 90.8850



34.5798, 27.6355, 78.3746



40.8201, 27.6355, 52.7200

Triad

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



34.5798, 27.6355, 78.3746



33.2927, 27.6355, 6.6382



14.5780, 27.6355, 31.9205

Complementary

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



34.5798, 27.6355, 78.3746



58.2056, 71.5624, 31.1680

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.



15.6628, 27.6355, 15.0882



34.5798, 27.6355, 78.3746



25.6452, 27.6355, 5.1298

Square

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



34.5798, 27.6355, 78.3746



39.9854, 27.6355, 13.2106



19.4057, 27.6355, 7.3151



16.1109, 27.6355, 57.3666

Rectangle

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



34.5798, 27.6355, 78.3746



42.8154, 27.6355, 35.6143



19.4057, 27.6355, 7.3151



14.6487, 27.6355, 25.1694

Sweetspot

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



34.5809, 27.6365, 78.3753



76.4448, 76.0410, 105.2561



46.1337, 56.1990, 83.2795



15.7503, 15.4937, 22.4104



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.



34.5809, 27.6365, 78.3753



37.1433, 27.0067, 97.8629



45.6623, 33.3492, 78.8939



13.8720, 14.0362, 18.1225



8.9042, 3.6562, 42.6196



0.7356, 0.3102, 3.1531

Inverse Universe

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



51.7379, 36.8161, 64.0533



61.6450, 40.1395, 76.3405



46.4127, 65.4829, 30.6161



14.8550, 14.5592, 17.4368



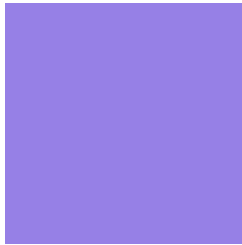
23.2084, 11.4176, 25.7902



1.7482, 0.8570, 2.0807

Previews

White Background



This preview shows how the XYZ color 34.5798, 27.6355, 78.3746 looks on a white background.

Color Contrast Check

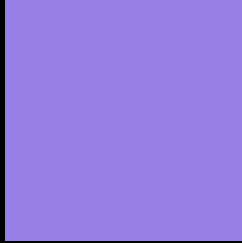
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.5798, 27.6355, 78.3746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

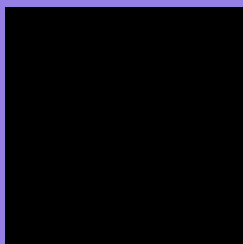
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.5798, 27.6355, 78.3746

Background



This preview shows how black text looks on a background with the XYZ color 34.5798, 27.6355, 78.3746.



This preview shows how white text looks on a background with the XYZ color 34.5798, 27.6355,

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

34.5798, 27.6355, 78.3746

Protanopia

30.6221, 27.8737, 86.9853

Deuteranopia

28.6174, 27.7324, 76.5176



Tritanopia

25.9577, 27.7194, 35.4348

Trichromacy



Original Color

34.5798, 27.6355, 78.3746

Protanomaly

31.6980, 27.6447, 83.7861

Deuteranomaly

30.2945, 27.4914, 77.1085

Tritanomaly

28.5951, 27.4596, 48.5929

Monochromacy



Original Color

34.5798, 27.6355, 78.3746

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

29.2011, 27.8426, 45.4301

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5798, 27.6355, 78.3746 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(150, 128, 230)` looks like.

```
.text, #text, p{  
    color:rgb(150, 128, 230)  
}
```

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(150, 128, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 128, 230) }
```

Border

The CSS property to change the border of an element to XYZ 34.5798, 27.6355, 78.3746 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(150, 128, 230) }
```


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

```
.border{ border-color:rgb(150, 128, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 128, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 128, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 128, 230);  
box-shadow:4px 4px 4px 4px rgb(150, 128,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5798, 27.6355, 78.3746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 128, 230) }
```

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

```
.background{ background-color: rgb(150,  
128, 230) }
```

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