

Converting Colors

XYZ(34.0598, 19.3653, 94.0382)

Have a look what the booklet for
XYZ(34.0598, 19.3653, 94.0382)
contains.

XYZ(34.0598, 19.3653, 94.0382)	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(34.0598, 19.3653,
94.0382)**

Conversions

Conversions Part 1

Format	Color
Hex	9D4CFC
RGB	157, 76, 252
RGB Percent	62%, 30%, 99%
CMY	0.3843, 0.7020, 0.0118
CMYK	0.38, 0.70, 0.00, 0.01
HSL	268°, 97%, 64%
HSV	268°, 70%, 99%
XYZ	34.0598, 19.3653, 94.0382
YIQ	120.2830, -8.2200, 71.9080

Conversions

Conversions Part 2

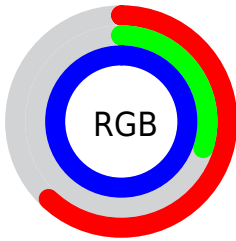
Format	Color
RYB	157, 76, 252
Decimal	10308860
CIELab	51.11, 65.87, -74.75
CIELCh	51, 99.633, 311.385
Yxy	19.3653, 0.2310, 0.1313
Android (android.graphics.Color)	4288498940 (0xFF9D4CFC)
YUV	120.2830, 64.9365, 32.2008
Hunter-Lab	44.0060, 61.1450, -95.8949

Details

The XYZ color **34.0598, 19.3653, 94.0382** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **52.9092, 78.8006, 19.2592**, and the grayscale version is **17.7446, 18.6687, 20.3302**.

A 20% lighter version of the original color is **54.7816, 38.2043, 99.0946**, and **14.7988, 6.6994, 51.5521** is the 20% darker color. If you saturate the color by 10%, you get **30.1434, 15.2543, 93.4515**, and if you desaturate by 10%, it is **38.9530, 24.9886, 94.8661**.

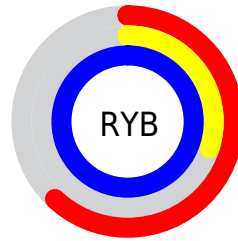
Distribution



Red (62%)

Green (30%)

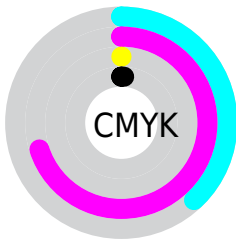
Blue (99%)



Red (62%)

Yellow (30%)

Blue (99%)

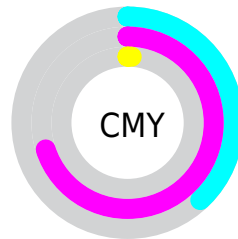


Cyan (38%)

Magenta (70%)

Yellow (0%)

Black (1%)



Cyan (38%)

Magenta (70%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.0598, 19.3653, 94.0382 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 34.0598, 19.3653, 94.0382 by changing the saturation by 10% instead.

34.0598, 19.3653,
94.0382

34.0598, 19.3653,
94.0382

311.9798,
248.4581, 561.9868

23.1026, 11.9345,
70.7423

65.3703, 42.3505,
154.9193

14.7904, 6.6991,
51.6514

86.4544, 58.6736,
193.3415

8.7578, 3.2746,
36.3469

111.6449, 78.7298,
237.6430

4.6394, 1.2767,
24.4104

141.3070,
102.9032, 288.2421

2.0698, 0.1231,
15.4234

175.8062,
131.5784, 345.5575

0.6727, 0.0000,
8.9671

215.5079,

0.0000, 0.0000,

165.1396, 410.0078

4.6232

260.7773,
203.9714, 482.0113

■ 0.0000, 0.0000,
1.9731

■ 0.0000, 0.0000,
0.5387

■ 34.0598, 19.3653,
94.0382

■ 34.0598, 19.3653,
94.0382

■ 30.1434, 15.2543,
93.4515

■ 38.9530, 24.9886,
94.8661

■ 27.1068, 12.4796,
93.0760

■ 44.9001, 32.2690,
95.9579

■ 24.8040, 10.7637,
92.8662

■ 51.9731, 41.3356,
97.3352

■ 24.7709, 10.7401,
92.8634

■ 60.2358, 52.3041,
99.0168

69.7473, 65.2799,
101.0201

80.5619, 80.3608,
103.3610

92.7311, 97.6378,
106.0544

94.5708, 99.8083,
106.3764

Harmonies

Analogous

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



22.4214, 19.3653, 132.2353



34.0598, 19.3653, 94.0382



42.9527, 19.3653, 43.6887

Triad

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



34.0598, 19.3653, 94.0382



25.1689, 19.3653, 0.0000



5.3485, 19.3653, 33.7683

Complementary

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



34.0598, 19.3653, 94.0382



52.9092, 78.8006, 19.2592

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.



5.6255, 19.3653, 8.0400



34.0598, 19.3653, 94.0382



14.9014, 19.3653, 0.0000

Square

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



34.0598, 19.3653, 94.0382



36.6805, 19.3653, 1.6852



8.4785, 19.3653, 0.9348



7.5066, 19.3653, 81.4828

Rectangle

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



34.0598, 19.3653, 94.0382



44.7170, 19.3653, 19.7963



8.4785, 19.3653, 0.9348



5.1884, 19.3653, 22.4295

Sweetspot

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



34.0608, 19.3659, 94.0387



70.4359, 65.3877, 103.5165



35.4568, 38.3757, 97.6344



14.4794, 13.1768, 22.0302



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.



34.0608, 19.3659, 94.0387



29.5478, 14.3142, 95.8133



57.1867, 31.2878, 95.1210



17.0422, 17.0344, 21.7750



13.0691, 5.6801, 48.3811



1.3312, 0.5883, 4.4866

Inverse Universe

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



50.0801, 28.8048, 41.4473



48.0620, 25.2465, 33.9771



39.8434, 72.0650, 18.6477



17.6364, 17.3819, 19.9411



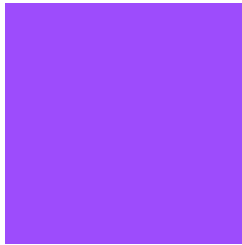
23.3028, 11.7369, 13.5691



2.2118, 1.1084, 1.5386

Previews

White Background



This preview shows how the XYZ color 34.0598, 19.3653, 94.0382 looks on a white background.

Color Contrast Check

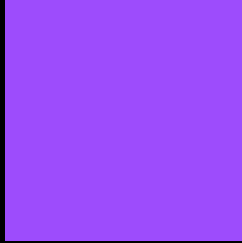
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.0598, 19.3653, 94.0382 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

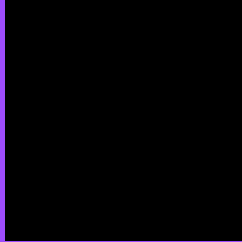
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.0598, 19.3653, 94.0382

Background



This preview shows how black text looks on a background with the XYZ color 34.0598, 19.3653, 94.0382.



This preview shows how white text looks on a background with the XYZ color 34.0598, 19.3653,

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

34.0598, 19.3653, 94.0382

Protanopia

23.3046, 19.4999, 91.3425

Deuteranopia

19.6023, 19.3732, 67.6720



Tritanopia

19.6693, 19.3145, 22.7701

Trichromacy



Original Color

34.0598, 19.3653, 94.0382



Protanomaly

23.5376, 17.2122, 91.7042



Deuteranomaly

21.0879, 17.0424, 76.3068



Tritanomaly

23.1119, 18.2545, 41.3351

Monochromacy



Original Color

34.0598, 19.3653, 94.0382



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

21.6911, 17.7143, 39.3218

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.0598, 19.3653, 94.0382 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(157, 76, 252)` looks like.

```
.text, #text, p{  
  color:rgb(157, 76, 252)  
}
```

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(157, 76, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 76, 252) }
```

Border

The CSS property to change the border of an element to XYZ 34.0598, 19.3653, 94.0382 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(157, 76, 252) }
```


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

```
.border{ border-color:rgb(157, 76, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 76, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 76, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 76, 252);  
box-shadow:4px 4px 4px 4px rgb(157, 76,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 34.0598, 19.3653, 94.0382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 76, 252) }
```

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

```
.background{ background-color: rgb(157, 76,  
252) }
```

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