

Converting Colors

XYZ(35.0100, 26.5931, 59.2637)

Have a look what the booklet for
XYZ(35.0100, 26.5931, 59.2637)
contains.

XYZ(34.9367, 26.5719, 59.1646)	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(34.9367, 26.5719,
59.1646)**

Conversions

Conversions Part 1

Format	Color
Hex	AF77CA
RGB	175, 119, 202
RGB Percent	69%, 47%, 79%
CMY	0.3137, 0.5333, 0.2078
CMYK	0.13, 0.41, 0.00, 0.21
HSL	280°, 44%, 63%
HSV	280°, 41%, 79%
XYZ	34.9367, 26.5719, 59.1646
YIQ	145.2060, 6.7330, 37.6850

Conversions

Conversions Part 2

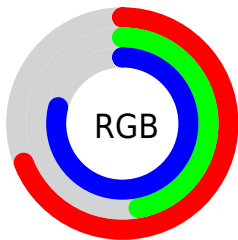
Format	Color
R _Y B	175, 119, 202
Decimal	11499466
CIE _{Lab}	58.58, 36.72, -34.62
CIE _{LCh}	59, 50.469, 316.681
Y _{xy}	26.5719, 0.2895, 0.2202
Android (android.graphics.Color)	4289689546 (0xFFAF77CA)
YUV	145.2060, 27.9994, 26.1293
Hunter-Lab	51.5479, 30.7698, -31.9671

Details

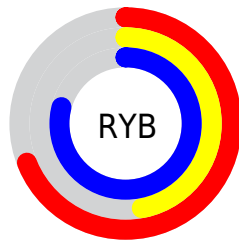
The XYZ color **34.9367, 26.5719, 59.1646** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **36.3052, 49.6846, 25.1305**, and the grayscale version is **26.8860, 28.2862, 30.8036**.

A 20% lighter version of the original color is **66.0812, 53.8809, 101.5249**, and **15.3586, 10.4593, 29.2263** is the 20% darker color. If you saturate the color by 10%, you get **31.3443, 21.5230, 58.3798**, and if you desaturate by 10%, it is **39.1136, 32.6818, 60.1242**.

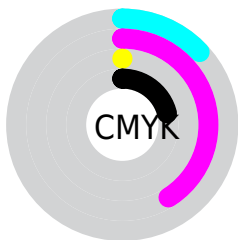
Distribution



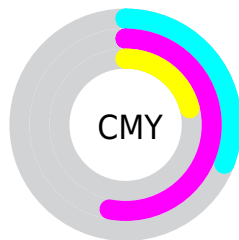
- Red (69%)
- Green (47%)
- Blue (79%)



- Red (69%)
- Yellow (47%)
- Blue (79%)



- Cyan (13%)
- Magenta (41%)
- Yellow (0%)
- Black (21%)



- Cyan (31%)
- Magenta (53%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.9367, 26.5719, 59.1646 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 34.9367, 26.5719, 59.1646 by changing the saturation by 10% instead.

■ 34.9367, 26.5719,
59.1646

■ 34.9367, 26.5719,
59.1646

315.8018,
285.5783, 439.2305

■ 23.7804, 17.2520,
42.3248

■ 66.7224, 54.1961,
105.1483

■ 15.2947, 10.4143,
29.0282

■ 88.0824, 73.2692,
135.1293

■ 9.1141, 5.6745,
18.8564

■ 113.5745, 96.3622,
170.3277

■ 4.8734, 2.6482,
11.3908

143.5639,
123.8593, 211.1621

■ 2.2072, 0.9509,
6.2129

178.4159,
156.1452, 258.0511

■ 0.7465, 0.0000,
2.9041

218.4960,

■ 0.0000, 0.0000,

193.6040, 311.4131

1.0459

264.1695,
236.6202, 371.6667

■ 0.0000, 0.0000,
0.0000

■ 34.9367, 26.5719,
59.1646

■ 34.9367, 26.5719,
59.1646

■ 31.3443, 21.5230,
58.3798

■ 39.1136, 32.6818,
60.1242

■ 28.3000, 17.4659,
57.7572

■ 43.9030, 39.9094,
61.2668

■ 25.7673, 14.3284,
57.2851

■ 49.3342, 48.3113,
62.6023

■ 23.7034, 12.0266,
56.9496

■ 55.4340, 57.9393,
64.1392

■ 22.0576, 10.4608,
56.7341

■ 62.2273, 68.8420,
65.8856

■ 20.8613, 9.5229,
56.6161

■ 69.7376, 81.0653,
67.8491

■ 76.2393, 91.1563,
69.4542

■ 78.2795, 92.2081,
69.5497

■ 80.3988, 93.3006,
69.6489

Harmonies

Analogous

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



28.8265, 26.5719, 75.3757



34.9367, 26.5719, 59.1646



38.6902, 26.5719, 37.5121

Triad

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



34.9367, 26.5719, 59.1646



28.0966, 26.5719, 6.8305



15.4885, 26.5719, 39.8544

Complementary

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



34.9367, 26.5719, 59.1646



36.3052, 49.6846, 25.1305

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.



15.3585, 26.5719, 21.7720



34.9367, 26.5719, 59.1646



21.9928, 26.5719, 7.0299

Square

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



34.9367, 26.5719, 59.1646



34.3277, 26.5719, 10.5504



17.5521, 26.5719, 11.2882



17.9421, 26.5719, 61.4705

Rectangle

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



34.9367, 26.5719, 59.1646



39.0090, 26.5719, 25.1471



17.5521, 26.5719, 11.2882



15.1874, 26.5719, 33.0794

Sweetspot

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



34.9376, 26.5730, 59.1652



82.4855, 80.1673, 105.7341



28.6514, 28.9512, 59.9556



17.3844, 16.7371, 22.5643



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.



34.9376, 26.5730, 59.1652



53.8743, 37.5480, 99.0158



40.0498, 29.3893, 51.2337



11.3190, 11.2138, 14.1383



13.5207, 6.1777, 36.4361



0.7750, 0.3586, 1.8833

Inverse Universe

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



36.1431, 27.8266, 30.6612



56.5510, 40.1673, 43.1488



32.9513, 47.8525, 29.6309



11.3603, 11.2728, 12.4318



16.3375, 8.3456, 4.2297



0.8777, 0.4445, 0.4017

Previews

White Background



This preview shows how the XYZ color 34.9367, 26.5719, 59.1646 looks on a white background.

Color Contrast Check

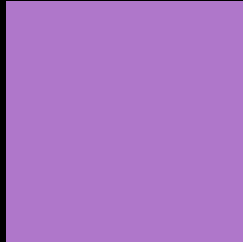
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.9367, 26.5719, 59.1646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

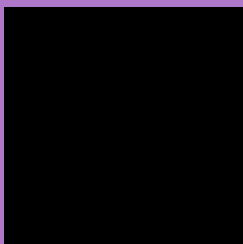
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.9367, 26.5719, 59.1646

Background



This preview shows how black text looks on a background with the XYZ color 34.9367, 26.5719, 59.1646.



This preview shows how white text looks on a background with the XYZ color 34.9367, 26.5719,

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

34.9367, 26.5719, 59.1646

Protanopia

28.5696, 26.9719, 70.0300

Deuteranopia

27.4563, 26.8983, 57.1709



Tritanopia

28.8596, 26.5625, 29.1972

Trichromacy



Original Color

34.9367, 26.5719, 59.1646

Protanomaly

30.1266, 26.4069, 65.7966

Deuteranomaly

29.5446, 26.2888, 57.5499

Tritanomaly

30.6524, 26.2941, 38.5817

Monochromacy



Original Color

34.9367, 26.5719, 59.1646

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

29.3974, 27.4294, 39.8214

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9367, 26.5719, 59.1646 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(175, 119, 202)` looks like.

```
.text, #text, p{  
    color:rgb(175, 119, 202)  
}
```

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(175, 119, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 119, 202) }
```

Border

The CSS property to change the border of an element to XYZ 34.9367, 26.5719, 59.1646 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(175, 119, 202) }
```


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

```
.border{ border-color:rgb(175, 119, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 119, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 119, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 119, 202);  
box-shadow:4px 4px 4px 4px rgb(175, 119,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9367, 26.5719, 59.1646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 119, 202) }
```

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

```
.background{ background-color: rgb(175,  
119, 202) }
```

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