

# Converting Colors

XYZ(34.0548, 26.7151, 61.5323)

Have a look what the booklet for  
XYZ(34.0548, 26.7151, 61.5323)  
contains.

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# Color

**XYZ(34.1599, 26.8376,  
61.7723)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A77BCE
RGB	167, 123, 206
RGB Percent	65%, 48%, 81%
CMY	0.3451, 0.5176, 0.1922
CMYK	0.19, 0.40, 0.00, 0.19
HSL	272°, 46%, 65%
HSV	272°, 40%, 81%
XYZ	34.1599, 26.8376, 61.7723
YIQ	145.6180, -0.4190, 35.1410

# Conversions

## Conversions Part 2

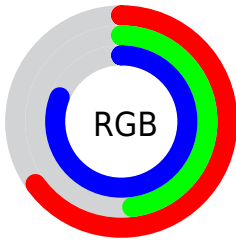
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	167, 123, 206
Decimal	10976206
CIE <sub>Lab</sub>	58.82, 32.98, -36.56
CIE <sub>LCh</sub>	59, 49.235, 312.048
Yxy	26.8376, 0.2782, 0.2186
Android (android.graphics.Color)	4289166286 (0xFFA77BCE)
YUV	145.6180, 29.7683, 18.7520
Hunter-Lab	51.8050, 27.0430, -34.4339

# Details

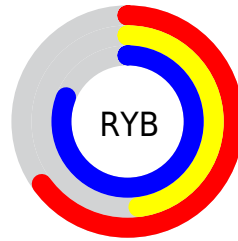
The XYZ color **34.1599, 26.8376, 61.7723** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **40.5474, 53.2546, 26.8820**, and the grayscale version is **27.0486, 28.4572, 30.9899**.

A 20% lighter version of the original color is **64.0068, 53.9586, 101.6493**, and **14.7785, 10.5102, 30.5279** is the 20% darker color. If you saturate the color by 10%, you get **29.8995, 21.2390, 60.9167**, and if you desaturate by 10%, it is **39.1130, 33.5926, 62.8155**.

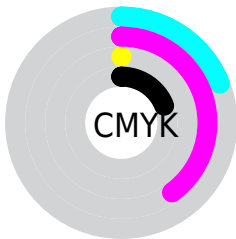
# Distribution



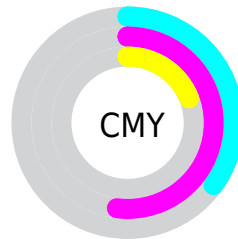
- Red (65%)
- Green (48%)
- Blue (81%)



- Red (65%)
- Yellow (48%)
- Blue (81%)



- Cyan (19%)
- Magenta (40%)
- Yellow (0%)
- Black (19%)



- Cyan (35%)
- Magenta (52%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.1599, 26.8376, 61.7723 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 34.1599, 26.8376, 61.7723 by changing the saturation by 10% instead.



■ 34.1599, 26.8376,  
61.7723

■ 34.1599, 26.8376,  
61.7723

312.4178,  
286.8699, 449.0847

■ 23.1799, 17.4513,  
44.4141

■ 65.5249, 54.6232,  
108.9648

■ 14.8479, 10.5568,  
30.6566

■ 86.6406, 73.7912,  
139.6362

■ 8.7983, 5.7696,  
20.0813

■ 111.8657, 96.9886,  
175.5824

■ 4.6659, 2.7055,  
12.2695

141.5654,  
124.5998, 217.2220

■ 2.0853, 0.9800,  
6.8027

176.1051,  
157.0091, 264.9734

■ 0.6812, 0.0000,  
3.2625

215.8501,

■ 0.0000, 0.0000,

194.6010, 319.2554

1.2302

261.1660,  
237.7598, 380.4863

■ 0.0000, 0.0000,  
0.0035

■ 0.0000, 0.0000,  
0.0000

■ 34.1599, 26.8376,  
61.7723

■ 34.1599, 26.8376,  
61.7723

■ 29.8995, 21.2390,  
60.9167

■ 39.1130, 33.5926,  
62.8155

■ 26.2915, 16.7239,  
60.2353

■ 44.7901, 41.5644,  
64.0550

■ 23.2955, 13.2157,  
59.7161

■ 51.2240, 50.8131,  
65.5011

■ 20.8649, 10.6261,  
59.3443

■ 58.4445, 61.3939,  
67.1628

18.9445, 8.8507,  
59.1029

66.4797, 73.3585,  
69.0487

17.4728, 7.7206,  
58.9623

75.3562, 86.7558,  
71.1668

81.0819, 93.5973,  
72.1856

84.3610, 95.2878,  
72.3391

87.8166, 97.0692,  
72.5008

# Harmonies

## Analogous

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



28.0254, 26.8376, 75.6736



34.1599, 26.8376, 61.7723



38.3140, 26.8376, 40.7940

# Triad

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



34.1599, 26.8376, 61.7723



29.2810, 26.8376, 7.5506



15.7042, 26.8376, 36.7766

# Complementary

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



34.1599, 26.8376, 61.7723



40.5474, 53.2546, 26.8820

# 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.



15.9307, 26.8376, 20.0751



34.1599, 26.8376, 61.7723



23.1467, 26.8376, 7.1946

# Square

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



34.1599, 26.8376, 61.7723



35.2039, 26.8376, 12.0532



18.4568, 26.8376, 10.7529



17.7796, 26.8376, 57.8457



# Rectangle

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



34.1599, 26.8376, 61.7723



39.0548, 26.8376, 28.0419



18.4568, 26.8376, 10.7529



15.5241, 26.8376, 30.4339

# Sweetspot

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



34.1609, 26.8387, 61.7729



80.9600, 79.3809, 105.6627



32.4277, 34.9040, 63.4210



17.0249, 16.5518, 22.5475



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.



34.1609, 26.8387, 61.7729



49.5367, 35.8220, 98.9112



43.5105, 31.6779, 61.3370



11.1600, 11.1318, 14.1308



10.8721, 4.8123, 36.3121



0.6481, 0.2932, 1.8774



# Inverse Universe

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



39.0589, 29.8973, 37.8952



58.8794, 41.6484, 53.7153



33.9029, 49.8192, 27.0263



11.4281, 11.3000, 12.7887



17.0444, 8.6284, 7.9526



0.9175, 0.4604, 0.6116



# Previews

## White Background



This preview shows how the XYZ color 34.1599, 26.8376, 61.7723 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

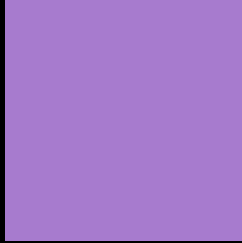
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 34.1599, 26.8376, 61.7723 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

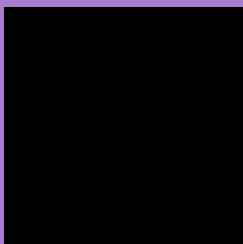
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 34.1599, 26.8376, 61.7723**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.1599, 26.8376, 61.7723.



This preview shows how white text looks on a background with the XYZ color 34.1599, 26.8376,

61.7723.

# 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

34.1599, 26.8376, 61.7723

### Protanopia

28.8330, 27.0773, 71.4169

### Deuteranopia

27.7653, 26.9899, 60.2461



## Tritanopia

27.8971, 26.8517, 30.9067

# Trichromacy



## Original Color

34.1599, 26.8376, 61.7723

## Protanomaly

30.1690, 26.5869, 67.8317

## Deuteranomaly

29.5775, 26.6441, 60.7107

## Tritanomaly

29.8821, 26.6368, 40.6122

# Monochromacy



## Original Color

34.1599, 26.8376, 61.7723

## Achromatopsia

27.3213, 28.7441, 31.3023

## Achromatomaly

29.4828, 27.8741, 40.8721

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.1599, 26.8376, 61.7723 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(167, 123, 206)` looks like.

```
.text, #text, p{  
    color:rgb(167, 123, 206)  
}
```

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(167, 123, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 123, 206) }
```

## Border

The CSS property to change the border of an element to XYZ 34.1599, 26.8376, 61.7723 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".

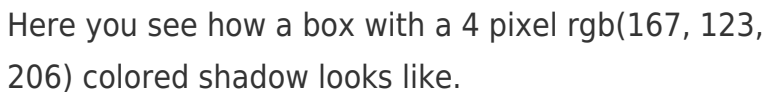
```
.border, #border, table{ border:4px solid rgb(167, 123, 206) }
```



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

```
.border{ border-color:rgb(167, 123, 206) }
```

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



Here you see how a box with a 4 pixel `rgb(167, 123, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 123, 206); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 123, 206); box-shadow:4px 4px 4px 4px rgb(167, 123, 206) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.1599, 26.8376, 61.7723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 123, 206) }
```

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

```
.background{ background-color: rgb(167,  
123, 206) }
```

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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