

# Converting Colors

XYZ(33.8583, 26.3699, 53.3089)

Have a look what the booklet for  
XYZ(33.8583, 26.3699, 53.3089)  
contains.

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# Color

**XYZ(33.9101, 26.3527,  
53.1685)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AF78C0
RGB	175, 120, 192
RGB Percent	69%, 47%, 75%
CMY	0.3137, 0.5294, 0.2471
CMYK	0.09, 0.37, 0.00, 0.25
HSL	286°, 36%, 61%
HSV	286°, 37%, 75%
XYZ	33.9101, 26.3527, 53.1685
YIQ	144.6530, 9.6680, 34.0520

# Conversions

## Conversions Part 2

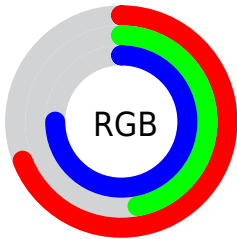
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	175, 120, 192
Decimal	11499712
CIE <sub>Lab</sub>	58.37, 34.06, -29.27
CIE <sub>LCh</sub>	58, 44.909, 319.328
Yxy	26.3527, 0.2989, 0.2323
Android (android.graphics.Color)	4289689792 (0xFFAF78C0)
YUV	144.6530, 23.3421, 26.6143
Hunter-Lab	51.3349, 28.0751, -25.4733

# Details

The XYZ color **33.9101, 26.3527, 53.1685** is a light color, and the websafe version is hex **996699**. A complement of this color would be **32.5572, 44.3744, 24.6197**, and the grayscale version is **26.6795, 28.0689, 30.5670**.

A 20% lighter version of the original color is **65.3212, 53.8825, 96.5801**, and **14.6628, 10.2802, 25.2562** is the 20% darker color. If you saturate the color by 10%, you get **30.8281, 21.6734, 52.4282**, and if you desaturate by 10%, it is **37.4910, 31.9777, 54.0659**.

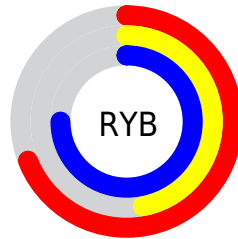
# Distribution



Red (69%)

Green (47%)

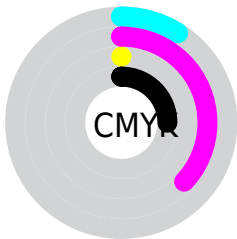
Blue (75%)



Red (69%)

Yellow (47%)

Blue (75%)

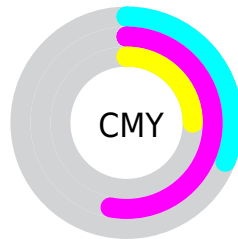


Cyan (9%)

Magenta (37%)

Yellow (0%)

Black (25%)



Cyan (31%)

Magenta (53%)

Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9101, 26.3527, 53.1685 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 33.9101, 26.3527, 53.1685 by changing the saturation by 10% instead.



■ 33.9101, 26.3527,  
53.1685

■ 33.9101, 26.3527,  
53.1685

311.3240,  
284.5092, 416.0159

■ 22.9871, 17.0877,  
37.5487

■ 65.1391, 53.8434,  
96.2963

■ 14.7046, 10.2970,  
25.3335

■ 86.1757, 72.8379,  
124.6414

■ 8.6973, 5.5963,  
16.1044

■ 111.3144, 95.8443,  
158.0653

■ 4.5998, 2.6012,  
9.4429

140.9203,  
123.2470, 196.9865

■ 2.0467, 0.9273,  
4.9304

175.3588,  
155.4305, 241.8236

■ 0.6600, 0.0000,  
2.1485

214.9954,

■ 0.0000, 0.0000,

192.7791, 292.9952

0.6444

260.1953,  
235.6772, 350.9198

■ 0.0000, 0.0000,  
0.0000

■ 33.9101, 26.3527,  
53.1685

■ 33.9101, 26.3527,  
53.1685

■ 30.8281, 21.6734,  
52.4282

■ 37.4910, 31.9777,  
54.0659

■ 28.2142, 17.8808,  
51.8339

■ 41.5939, 38.5964,  
55.1272

■ 26.0382, 14.9140,  
51.3759

■ 46.2438, 46.2572,  
56.3608

■ 24.2647, 12.7032,  
51.0427

■ 51.4630, 55.0046,  
57.7741

■ 22.8529, 11.1670,  
50.8205

■ 57.2728, 64.8804,  
59.3742

■ 21.7435, 10.1875,  
50.6900

■ 63.6931, 75.9242,  
61.1674

■ 21.4876, 9.9781,  
50.6630

■ 70.7429, 88.1736,  
63.1602

■ 72.2154, 89.2143,  
63.2835

■ 73.5348, 89.8945,  
63.3453

# Harmonies

## Analogous

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



28.6957, 26.3527, 67.5812



33.9101, 26.3527, 53.1685



36.8819, 26.3527, 34.6467

# Triad

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



33.9101, 26.3527, 53.1685



27.0479, 26.3527, 8.0936



16.3691, 26.3527, 39.8734

# Complementary

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



33.9101, 26.3527, 53.1685



32.5572, 44.3744, 24.6197

# 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.



16.0614, 26.3527, 23.4648



33.9101, 26.3527, 53.1685



21.7223, 26.3527, 8.6108

# Square

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



33.9101, 26.3527, 53.1685



32.5537, 26.3527, 11.3636



17.8815, 26.3527, 13.1887



18.7940, 26.3527, 58.1718



# Rectangle

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



33.9101, 26.3527, 53.1685



36.9375, 26.3527, 24.0791



17.8815, 26.3527, 13.1887



16.0295, 26.3527, 33.8629

# Sweetspot

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



33.9110, 26.3538, 53.1691



80.5739, 78.4846, 101.2626



26.3497, 25.9770, 53.4949



17.0371, 16.4274, 21.6581



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.9110, 26.3538, 53.1691



56.7875, 40.6573, 95.2149



36.0955, 27.6965, 43.4887



10.2573, 10.1238, 12.6983



14.5304, 6.7511, 34.0939



0.6855, 0.3214, 1.4758



# Inverse Universe

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



32.9709, 26.4467, 27.0350



55.0981, 41.0038, 40.1310



31.1837, 43.5280, 30.8041



10.1685, 10.1160, 10.9778



14.9762, 7.6802, 2.5210

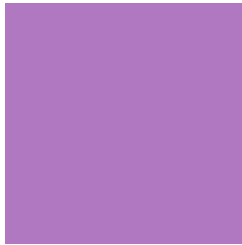


0.6749, 0.3430, 0.2554



# Previews

## White Background



This preview shows how the XYZ color 33.9101, 26.3527, 53.1685 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

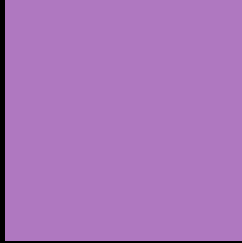
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 33.9101, 26.3527, 53.1685 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

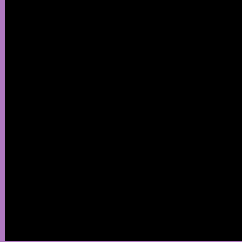
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 33.9101, 26.3527, 53.1685**

## **Background**



This preview shows how black text looks on a background with the XYZ color 33.9101, 26.3527, 53.1685.



This preview shows how white text looks on a background with the XYZ color 33.9101, 26.3527,



# 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

33.9101, 26.3527, 53.1685

### Protanopia

27.8222, 26.5335, 62.6866

### Deuteranopia

27.2118, 26.6853, 51.2935



## Tritanopia

29.0725, 26.4805, 28.7783

# Trichromacy



## Original Color

33.9101, 26.3527, 53.1685

## Protanomaly

29.4244, 25.9858, 59.3420

## Deuteranomaly

29.1136, 26.1964, 51.6661

## Tritanomaly

30.7291, 26.3747, 36.7289

# Monochromacy



## Original Color

33.9101, 26.3527, 53.1685

## Achromatopsia

26.9133, 28.3149, 30.8349

## Achromatomaly

29.0360, 27.2849, 37.9186

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.9101, 26.3527, 53.1685 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, 120, 192)` looks like.

```
.text, #text, p{  
    color:rgb(175, 120, 192)  
}
```

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, 120, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 120, 192) }
```

## Border

The CSS property to change the border of an element to XYZ 33.9101, 26.3527, 53.1685 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, 120, 192) }
```



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

```
.border{ border-color:rgb(175, 120, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 120, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 120, 192); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 120, 192); box-shadow:4px 4px 4px 4px rgb(175, 120, 192) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.9101, 26.3527, 53.1685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 120, 192) }
```

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

```
.background{ background-color: rgb(175,  
120, 192) }
```

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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