

# Converting Colors

XYZ(39.3573, 26.3717, 79.3975)

Have a look what the booklet for  
XYZ(39.3573, 26.3717, 79.3975)  
contains.

<b>XYZ(39.3516, 26.4089, 79.3673)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(39.3516, 26.4089,  
79.3673)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B76BE8
RGB	183, 107, 232
RGB Percent	72%, 42%, 91%
CMY	0.2823, 0.5804, 0.0902
CMYK	0.21, 0.54, 0.00, 0.09
HSL	276°, 73%, 66%
HSV	276°, 54%, 91%
XYZ	39.3516, 26.4089, 79.3673
YIQ	143.9740, 5.1710, 54.9870

# Conversions

## Conversions Part 2

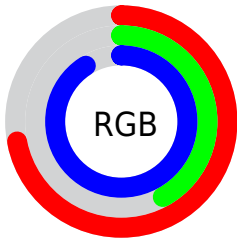
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">183, 107, 232</a>
Decimal	<a href="#">12020712</a>
CIELab	<a href="#">58.42, 51.87, -51.68</a>
CIELCh	<a href="#">58, 73.219, 315.106</a>
Yxy	<a href="#">26.4089, 0.2712, 0.1820</a>
Android (android.graphics.Color)	<a href="#">4290210792</a> ( <a href="#">0xFFB76BE8</a> )
YUV	<a href="#">143.9740, 43.3968, 34.2258</a>
Hunter-Lab	<a href="#">51.3896, 46.7547, -55.5962</a>

# Details

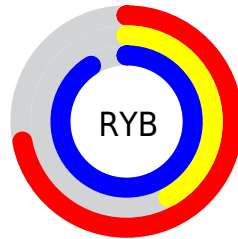
The XYZ color **39.3516, 26.4089, 79.3673** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **45.2215, 65.8433, 24.2365**, and the grayscale version is **26.3293, 27.7004, 30.1658**.

A 20% lighter version of the original color is **67.0705, 51.4105, 100.9960**, and **17.9551, 10.3790, 42.1313** is the 20% darker color. If you saturate the color by 10%, you get **35.1557, 21.1245, 78.5689**, and if you desaturate by 10%, it is **44.3380, 33.0648, 80.3897**.

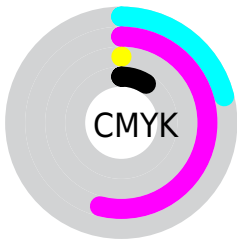
# Distribution



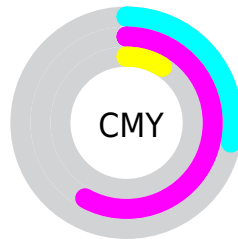
- Red (72%)
- Green (42%)
- Blue (91%)



- Red (72%)
- Yellow (42%)
- Blue (91%)



- Cyan (21%)
- Magenta (54%)
- Yellow (0%)
- Black (9%)




- Cyan (28%)
- Magenta (58%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.3516, 26.4089, 79.3673 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 39.3516, 26.4089, 79.3673 by changing the saturation by 10% instead.





 39.3516, 26.4089,  
79.3673

 39.3516, 26.4089,  
79.3673

334.5645,  
284.7836, 512.4485


 27.2153, 17.1298,  
58.6747


 73.4658, 53.9339,  
134.2792


 17.8724, 10.3271,  
41.9331


 96.1744, 72.9485,  
169.3356

 10.9576, 5.6164,  
28.7237


 123.1378, 95.9771,  
210.0170

 6.1054, 2.6132,  
18.6281

 154.7214,  
123.4041, 256.7420

 2.9505, 0.9333,  
11.2278

191.2905,  
155.6139, 309.9291

 1.1277, 0.0000,  
6.1042

233.2105,

 0.0481, 0.0000,

192.9908, 369.9968

2.8387

280.8467,  
235.9192, 437.3638

■ 0.0000, 0.0000,  
1.0129

■ 0.0000, 0.0000,  
0.0000

■ 39.3516, 26.4089,  
79.3673

■ 39.3516, 26.4089,  
79.3673

■ 35.1557, 21.1245,  
78.5689

■ 44.3380, 33.0648,  
80.3897

■ 31.6916, 17.1009,  
77.9749

■ 50.1618, 41.1851,  
81.6501

■ 28.8958, 14.2146,  
77.5651

■ 56.8692, 50.8578,  
83.1636

■ 26.6908, 12.3142,  
77.3145

■ 64.5022, 62.1630,  
84.9434

■ 25.5598, 11.4940,  
77.2158

■ 73.0998, 75.1753,  
87.0019

■ 82.6985, 89.9645,  
89.3506

■ 88.5645, 97.0591,  
90.4108

■ 91.5656, 98.6062,  
90.5513

# Harmonies

## Analogous

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



29.8517, 26.4089, 107.2656



39.3516, 26.4089, 79.3673



45.6442, 26.4089, 43.3533

# Triad

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



39.3516, 26.4089, 79.3673



29.7829, 26.4089, 2.5951



11.8952, 26.4089, 43.5849

# Complementary

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



39.3516, 26.4089, 79.3673



45.2215, 65.8433, 24.2365

# 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.



11.8852, 26.4089, 17.8676



39.3516, 26.4089, 79.3673



20.8829, 26.4089, 2.6046

# Square

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



39.3516, 26.4089, 79.3673



39.2910, 26.4089, 6.0806



14.7876, 26.4089, 6.1263



14.8192, 26.4089, 79.6208



# Rectangle

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



39.3516, 26.4089, 79.3673



46.4071, 26.4089, 24.5927



14.7876, 26.4089, 6.1263



11.5785, 26.4089, 33.3618

# Sweetspot

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



39.3526, 26.4099, 79.3679



77.7460, 73.7663, 104.7484



32.6868, 33.0670, 81.0042



16.2128, 15.1525, 22.3202



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.



39.3526, 26.4099, 79.3679



42.8851, 25.3570, 97.2418



51.3892, 32.8130, 70.9891



14.4196, 14.3185, 18.1481



14.3350, 6.4559, 42.8737



1.1629, 0.5305, 3.1731



# Inverse Universe

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



44.5379, 30.0724, 34.9105



50.6846, 30.7870, 33.9406



38.2807, 62.1836, 27.5967



14.6098, 14.4611, 16.1454



19.5796, 9.9661, 6.6813

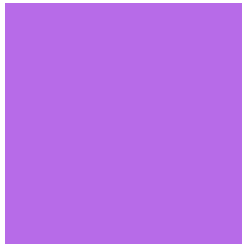


1.4914, 0.7543, 0.7284



# Previews

## White Background



This preview shows how the XYZ color 39.3516, 26.4089, 79.3673 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

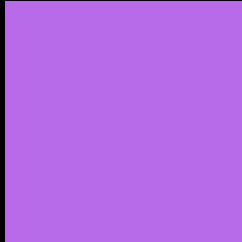
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 39.3516, 26.4089, 79.3673 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 39.3516, 26.4089, 79.3673**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.3516, 26.4089, 79.3673.



This preview shows how white text looks on a background with the XYZ color 39.3516, 26.4089,



# 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

39.3516, 26.4089, 79.3673

### Protanopia

30.4753, 26.9052, 98.1947

### Deuteranopia

27.5291, 26.7613, 74.9487



## Tritanopia

28.8647, 26.1835, 28.3435

# Trichromacy



## Original Color

39.3516, 26.4089, 79.3673



## Protanomaly

31.8571, 25.5590, 91.2500



## Deuteranomaly

30.3113, 25.6619, 76.7545



## Tritanomaly

31.7359, 25.8204, 42.8463

# Monochromacy



## Original Color

39.3516, 26.4089, 79.3673



## Achromatopsia

26.5089, 27.8894, 30.3716



## Achromatomaly

30.0533, 26.6363, 44.6316

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.3516, 26.4089, 79.3673 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(183, 107, 232)` looks like.

```
.text, #text, p{  
    color:rgb(183, 107, 232)  
}
```

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(183, 107, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 107, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 39.3516, 26.4089, 79.3673 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(183, 107, 232) }
```



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

```
.border{ border-color:rgb(183, 107, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 107, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 107, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 107, 232);  
box-shadow:4px 4px 4px 4px rgb(183, 107,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.3516, 26.4089, 79.3673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 107, 232) }
```

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

```
.background{ background-color: rgb(183,  
107, 232) }
```

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