

# Converting Colors

XYZ(36.2191, 26.7456, 48.1444)

Have a look what the booklet for  
XYZ(36.2191, 26.7456, 48.1444)  
contains.

<b>XYZ(36.1638, 26.7567, 48.0583)</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(36.1638, 26.7567,  
48.0583)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BF73B7
RGB	191, 115, 183
RGB Percent	75%, 45%, 72%
CMY	0.2510, 0.5490, 0.2824
CMYK	0.00, 0.40, 0.04, 0.25
HSL	306°, 37%, 60%
HSV	306°, 40%, 75%
XYZ	36.1638, 26.7567, 48.0583
YIQ	145.4760, 23.4680, 37.2600

# Conversions

## Conversions Part 2

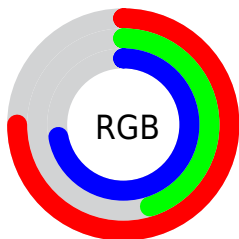
Format	Color
<a href="#">RYB</a>	<a href="#">191, 115, 183</a>
Decimal	<a href="#">12546999</a>
CIELab	<a href="#">58.75, 40.12, -23.40</a>
CIELCh	<a href="#">59, 46.445, 329.747</a>
Yxy	<a href="#">26.7567, 0.3259, 0.2411</a>
Android (android.graphics.Color)	<a href="#">4290737079</a> ( <a href="#">0xFFBF73B7</a> )
YUV	<a href="#">145.4760, 18.4993, 39.9245</a>
Hunter-Lab	<a href="#">51.7269, 34.2726, -18.8762</a>

# Details

The XYZ color **36.1638, 26.7567, 48.0583** is a light color, and the websafe version is hex **996699**. A complement of this color would be **29.2773, 42.3373, 25.3693**, and the grayscale version is **27.0284, 28.4360, 30.9668**.

A 20% lighter version of the original color is **68.8349, 54.7477, 88.6007**, and **16.0160, 10.5127, 22.3041** is the 20% darker color. If you saturate the color by 10%, you get **33.9997, 22.7606, 46.3120**, and if you desaturate by 10%, it is **38.7838, 31.6589, 49.9719**.

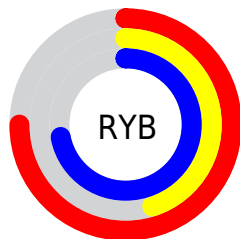
# Distribution



Red (75%)

Green (45%)

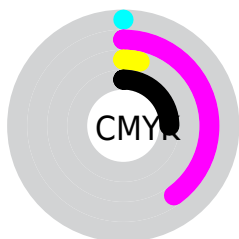
Blue (72%)



Red (75%)

Yellow (45%)

Blue (72%)

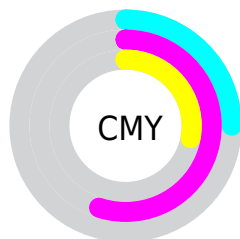


Cyan (0%)

Magenta (40%)

Yellow (4%)

Black (25%)



Cyan (25%)

Magenta (55%)


Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.1638, 26.7567, 48.0583 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 36.1638, 26.7567, 48.0583 by changing the saturation by 10% instead.





 36.1638, 26.7567,  
48.0583


 36.1638, 26.7567,  
48.0583


321.0947,  
286.4772, 395.5385


 24.7314, 17.3906,  
33.5127


 68.6070, 54.4932,  
88.6577

 16.0047, 10.5134,  
22.2452


 90.3486, 73.6324,  
115.5485

 9.6184, 5.7406,  
13.8371


 116.2573, 96.7980,  
147.3916

 5.2070, 2.6880,  
7.8700

146.6984,  
124.3745, 184.6054

 2.4052, 0.9711,  
3.9253

182.0374,  
156.7463, 227.6084

 0.8477, 0.0000,  
1.5845

222.6395,

 0.0000, 0.0000,

194.2977, 276.8193

0.2797

268.8701,  
237.4132, 332.6565

■ 0.0000, 0.0000,  
0.0000

■ 36.1638, 26.7567,  
48.0583

■ 36.1638, 26.7567,  
48.0583

■ 33.9997, 22.7606,  
46.3120

■ 38.7838, 31.6589,  
49.9719

■ 32.2609, 19.6107,  
44.7218

■ 41.8829, 37.5148,  
52.0597

■ 30.9170, 17.2459,  
43.2779


■ 45.4856, 44.3732,  
54.3303


■ 29.9324, 15.5952,  
41.9684


■ 49.6141, 52.2784,  
56.7911


■ 29.2653, 14.5746,  
40.7792


■ 54.2892, 61.2721,  
59.4491


 28.8351, 14.0231,  
39.6834

 59.5308, 71.3936,  
62.3109

 28.8267, 14.0127,  
39.6606

 65.3574, 82.6804,  
65.3829

 67.5649, 86.7240,  
67.2637

 67.8001, 86.8181,  
68.5022

# Harmonies

## Analogous

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



31.2880, 26.7567, 65.9298



36.1638, 26.7567, 48.0583



38.0910, 26.7567, 29.2727

# Triad

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



36.1638, 26.7567, 48.0583



25.4800, 26.7567, 7.6236



17.0279, 26.7567, 47.7229

# Complementary

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



36.1638, 26.7567, 48.0583



29.2773, 42.3373, 25.3693

# 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.



15.9427, 26.7567, 28.9947



36.1638, 26.7567, 48.0583



20.3555, 26.7567, 9.4507

# Square

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



36.1638, 26.7567, 48.0583



31.3846, 26.7567, 9.5165



17.0651, 26.7567, 15.9713



20.2831, 26.7567, 65.6904



# Rectangle

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



36.1638, 26.7567, 48.0583



37.2507, 26.7567, 19.7346



17.0651, 26.7567, 15.9713



16.4210, 26.7567, 41.1240

# Sweetspot

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



36.1647, 26.7579, 48.0589



79.8301, 76.3540, 96.2978



23.6472, 20.2059, 51.9446



17.3376, 16.3999, 21.0262



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.



36.1647, 26.7579, 48.0589



61.2558, 41.4285, 83.2527



32.7593, 25.3958, 30.1266



9.8855, 9.6785, 11.7861



18.9620, 9.2160, 26.1573



0.7553, 0.3660, 1.0909



# Inverse Universe

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



36.1647, 26.7579, 48.0589



61.2558, 41.4285, 83.2527



32.0998, 43.4664, 40.2327



9.8855, 9.6785, 11.7861



18.9620, 9.2160, 26.1573



0.7553, 0.3660, 1.0909



# Previews

## White Background



This preview shows how the XYZ color 36.1638, 26.7567, 48.0583 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

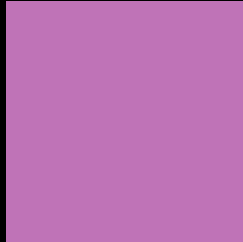
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 36.1638, 26.7567, 48.0583 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

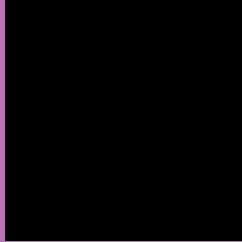
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 36.1638, 26.7567, 48.0583**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.1638, 26.7567, 48.0583.



This preview shows how white text looks on a background with the XYZ color 36.1638, 26.7567,



# 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

36.1638, 26.7567, 48.0583

### Protanopia

28.0648, 27.1580, 59.6400

### Deuteranopia

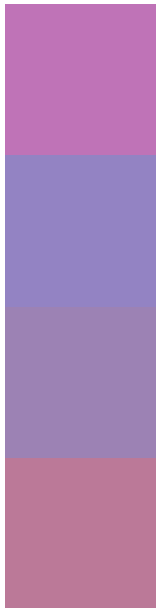
27.5226, 26.9542, 46.3999



## Tritanopia

31.7144, 26.7308, 26.4097

# Trichromacy



## Original Color

36.1638, 26.7567, 48.0583

## Protanomaly

29.9992, 26.3758, 55.1397

## Deuteranomaly

29.9312, 26.3285, 46.6844

## Tritanomaly

32.9984, 26.5065, 33.0828

# Monochromacy



## Original Color

36.1638, 26.7567, 48.0583

## Achromatopsia

26.9133, 28.3149, 30.8349

## Achromatomaly

29.6834, 27.2348, 36.4932

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.1638, 26.7567, 48.0583 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(191, 115, 183)` looks like.

```
.text, #text, p{  
    color:rgb(191, 115, 183)  
}
```

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(191, 115, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 115, 183) }
```

## Border

The CSS property to change the border of an element to XYZ 36.1638, 26.7567, 48.0583 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(191, 115, 183) }
```



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

```
.border{ border-color:rgb(191, 115, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 115, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 115, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 115, 183);  
box-shadow:4px 4px 4px 4px rgb(191, 115,  
183) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.1638, 26.7567, 48.0583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 115, 183) }
```

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

```
.background{ background-color: rgb(191,  
115, 183) }
```

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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