

# Converting Colors

XYZ(37.7046, 26.7783, 66.2371)

Have a look what the booklet for  
XYZ(37.7046, 26.7783, 66.2371)  
contains.

<b>XYZ(37.6825, 26.8047, 66.1385)</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(37.6825, 26.8047,  
66.1385)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<a href="#">B871D5</a>
RGB	<a href="#">184, 113, 213</a>
RGB Percent	<a href="#">72%, 44%, 84%</a>
CMY	<a href="#">0.2784, 0.5568, 0.1647</a>
CMYK	<a href="#">0.14, 0.47, 0.00, 0.16</a>
HSL	<a href="#">283°, 54%, 64%</a>
HSV	<a href="#">283°, 47%, 84%</a>
XYZ	<a href="#">37.6825, 26.8047, 66.1385</a>
YIQ	<a href="#">145.6290, 10.2160, 46.1520</a>

# Conversions

## Conversions Part 2

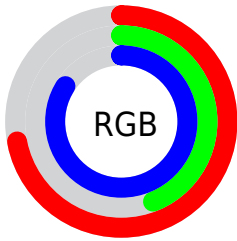
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 113, 213
Decimal	12087765
CIELab	58.79, 44.93, -40.43
CIELCh	59, 60.439, 318.020
Yxy	26.8047, 0.2885, 0.2052
Android (android.graphics.Color)	4290277845 (0xFFB871D5)
YUV	145.6290, 33.2139, 33.6514
Hunter-Lab	51.7733, 39.3157, -39.4996

# Details

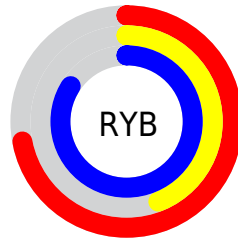
The XYZ color **37.6825, 26.8047, 66.1385** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **37.9310, 54.5322, 24.1505**, and the grayscale version is **27.0365, 28.4445, 30.9760**.

A 20% lighter version of the original color is **68.4867, 53.7347, 101.3699**, and **16.9474, 10.5810, 33.4969** is the 20% darker color. If you saturate the color by 10%, you get **34.1318, 21.8515, 65.3700**, and if you desaturate by 10%, it is **41.8574, 32.9086, 67.0971**.

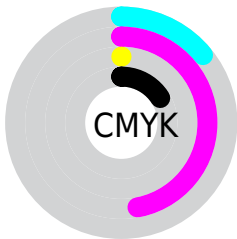
# Distribution



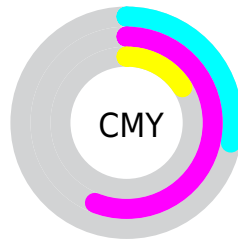
- Red (72%)
- Green (44%)
- Blue (84%)



- Red (72%)
- Yellow (44%)
- Blue (84%)



- Cyan (14%)
- Magenta (47%)
- Yellow (0%)
- Black (16%)



- Cyan (28%)
- Magenta (56%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6825, 26.8047, 66.1385 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 37.6825, 26.8047, 66.1385 by changing the saturation by 10% instead.



37.6825, 26.8047,  
66.1385

37.6825, 26.8047,  
66.1385

327.5605,  
286.7103, 465.2898

25.9125, 17.4266,  
47.9277

70.9283, 54.5703,  
115.3140

16.8905, 10.5391,  
33.4100

93.1347, 73.7266,  
147.1157

10.2513, 5.7578,  
22.1670

119.5507, 96.9111,  
184.2848

5.6294, 2.6984,  
13.7802

150.5415,  
124.5082, 227.2398

2.6596, 0.9764,  
7.8310

186.4725,  
156.9023, 276.3993

0.9764, 0.0000,  
3.9007

227.7091,

0.0000, 0.0000,

194.4777, 332.1817

1.5711

274.6166,  
237.6189, 395.0057

■ 0.0000, 0.0000,  
0.2700

■ 0.0000, 0.0000,  
0.0000

■ 37.6825, 26.8047,  
66.1385

■ 37.6825, 26.8047,  
66.1385

■ 34.1318, 21.8515,  
65.3700

■ 41.8574, 32.9086,  
67.0971

■ 31.1619, 17.9660,  
64.7766


■ 46.6900, 40.2319,  
68.2559


■ 28.7282, 15.0594,  
64.3438


■ 52.2150, 48.8415,  
69.6265


■ 26.7774, 13.0264,  
64.0542


■ 58.4635, 58.7987,  
71.2191


 25.2399, 11.7290,  
63.8848


 65.4646, 70.1606,  
73.0432

 24.8157, 11.4056,  
63.8447

 73.2459, 82.9810,  
75.1077

 79.5248, 92.6942,  
76.6515

 81.5111, 93.7181,  
76.7445

 83.5680, 94.7785,  
76.8408

# Harmonies

## Analogous

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



30.1718, 26.8047, 88.1874



37.6825, 26.8047, 66.1385



42.2218, 26.8047, 38.5593

# Triad

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



37.6825, 26.8047, 66.1385



28.5685, 26.8047, 4.6345



14.1358, 26.8047, 43.8104

# Complementary

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



37.6825, 26.8047, 66.1385



37.9310, 54.5322, 24.1505

# 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.



13.8736, 26.8047, 21.4696



37.6825, 26.8047, 66.1385



21.2964, 26.8047, 4.9705

# Square

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



37.6825, 26.8047, 66.1385



36.3134, 26.8047, 8.0739



16.2407, 26.8047, 9.4429



17.0444, 26.8047, 71.5555



# Rectangle

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



37.6825, 26.8047, 66.1385



42.4630, 26.8047, 23.8264



16.2407, 26.8047, 9.4429



13.7592, 26.8047, 35.2940

# Sweetspot

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



37.6835, 26.8058, 66.1391



80.9930, 77.3888, 105.2765



28.6438, 27.9609, 66.8385



16.9147, 15.8979, 22.4270



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.



37.6835, 26.8058, 66.1391



51.4778, 33.0868, 98.2810



42.9721, 29.8077, 53.9414



12.5859, 12.4434, 15.6760



15.2642, 7.0215, 39.0039



1.0009, 0.4649, 2.3563



# Inverse Universe

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



38.2290, 27.9104, 28.9646



52.8567, 35.2127, 34.4134



34.8388, 52.7933, 30.5454



12.5699, 12.4795, 13.6753



17.3279, 8.8675, 3.7648

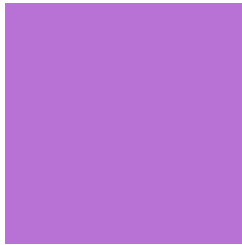


1.0809, 0.5492, 0.4155



# Previews

## White Background



This preview shows how the XYZ color 37.6825, 26.8047, 66.1385 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

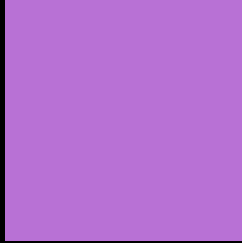
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.6825, 26.8047, 66.1385 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

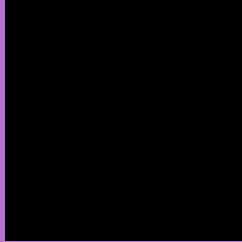
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 37.6825, 26.8047, 66.1385**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.6825, 26.8047, 66.1385.



This preview shows how white text looks on a background with the XYZ color 37.6825, 26.8047,



# 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

37.6825, 26.8047, 66.1385

### Protanopia

29.7075, 27.2882, 82.2987

### Deuteranopia

27.8495, 27.1812, 63.4532



## Tritanopia

29.9498, 26.7429, 28.3943

# Trichromacy



**Original Color**

37.6825, 26.8047, 66.1385

**Protanomaly**

31.3635, 26.4168, 76.1190

**Deuteranomaly**

30.3966, 26.3747, 64.4615

**Tritanomaly**

32.3142, 26.5524, 39.9812

# Monochromacy



**Original Color**

37.6825, 26.8047, 66.1385

**Achromatopsia**

27.3213, 28.7441, 31.3023

**Achromatomaly**

30.2780, 27.4261, 41.7281

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.6825, 26.8047, 66.1385 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(184, 113, 213)` looks like.

```
.text, #text, p{  
    color:rgb(184, 113, 213)  
}
```

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(184, 113, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 113, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 37.6825, 26.8047, 66.1385 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".

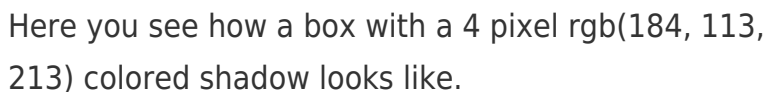
```
.border, #border, table{ border:4px solid rgb(184, 113, 213) }
```



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

```
.border{ border-color:rgb(184, 113, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(184, 113, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 113, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 113, 213);  
box-shadow:4px 4px 4px 4px rgb(184, 113,  
213) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.6825, 26.8047, 66.1385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 113, 213) }
```

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

```
.background{ background-color: rgb(184,  
113, 213) }
```

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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