

Converting Colors

XYZ(37.0678, 33.3627, 47.5736)

Have a look what the booklet for
XYZ(37.0678, 33.3627, 47.5736)
contains.

XYZ(37.1075, 33.4368, 47.6782)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.1075, 33.4368,
47.6782)**

Conversions

Conversions Part 1

Format	Color
Hex	B392B4
RGB	179, 146, 180
RGB Percent	70%, 57%, 71%
CMY	0.2980, 0.4274, 0.2941
CMYK	0.01, 0.19, 0.00, 0.29
HSL	298°, 18%, 64%
HSV	298°, 19%, 71%
XYZ	37.1075, 33.4368, 47.6782
YIQ	159.7430, 8.7540, 17.5700

Conversions

Conversions Part 2

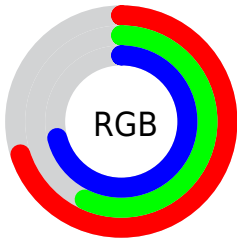
Format	Color
R _Y B	179, 146, 180
Decimal	11768500
CIE Lab	64.51, 18.40, -13.06
CIE LCh	65, 22.560, 324.632
Yxy	33.4368, 0.3139, 0.2828
Android (android.graphics.Color)	4289958580 (0xFFB392B4)
YUV	159.7430, 9.9867, 16.8884
Hunter-Lab	57.8246, 13.3550, -8.4093

Details

The XYZ color **37.1075, 33.4368, 47.6782** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **33.5435, 40.9218, 33.3266**, and the grayscale version is **33.2489, 34.9804, 38.0937**.

A 20% lighter version of the original color is **70.0555, 65.0268, 88.2160**, and **16.5272, 14.1523, 21.9393** is the 20% darker color. If you saturate the color by 10%, you get **34.4265, 28.2556, 46.8199**, and if you desaturate by 10%, it is **40.2278, 39.4949, 48.6836**.

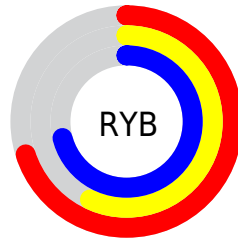
Distribution



Red (70%)

Green (57%)

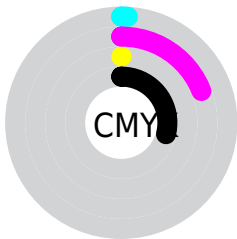
Blue (71%)



Red (70%)

Yellow (57%)

Blue (71%)

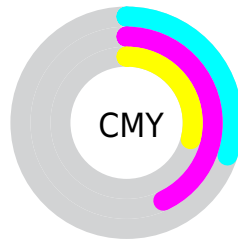


Cyan (1%)

Magenta (19%)

Yellow (0%)

Black (29%)



Cyan (30%)


Magenta (43%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1075, 33.4368, 47.6782 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 37.1075, 33.4368, 47.6782 by changing the saturation by 10% instead.


 37.1075, 33.4368,
47.6782


 37.1075, 33.4368,
47.6782


325.1232,
317.6134, 393.9870

 25.4648, 22.4613,
33.2139


 70.0508, 65.0569,
88.0856

 16.5543, 14.1962,
22.0179


 92.0822, 86.4702,
114.8659

 10.0105, 8.2573,
13.6716

118.3071,
112.1316, 146.5886

 5.4683, 4.2600,
7.7565

149.0910,
142.4255, 183.6722

 2.5621, 1.8200,
3.8540

184.7992,
177.7362, 226.5353

 0.9267, 0.4996,
1.5456

225.7971,

 0.0000, 0.0000,

218.4482, 275.5965

0.2516

272.4499,
264.9458, 331.2742

■ 0.0000, 0.0000,
0.0000

■ 37.1075, 33.4368,
47.6782

■ 37.1075, 33.4368,
47.6782

■ 34.4265, 28.2556,
46.8199

■ 40.2278, 39.4949,
48.6836

■ 32.1615, 23.9062,
46.0998

■ 43.8035, 46.4635,
49.8402

■ 30.2915, 20.3460,
45.5112

■ 47.8535, 54.3802,
51.1548

■ 28.7923, 17.5268,
45.0460

■ 52.3948, 63.2787,
52.6330

■ 27.6373, 15.3955,
44.6955

■ 57.4435, 73.1913,
54.2803

■ 26.7964, 13.8915,
44.4495

■ 63.0150, 84.1488,
56.1016

■ 26.2341, 12.9439,
44.2963

■ 63.4571, 84.8467,
56.2130

■ 25.8867, 12.4257,
44.2145

■ 63.5830, 84.9116,
56.2189

■ 25.8518, 12.3754,
44.2067

■ 63.7094, 84.9768,
56.2248

Harmonies

Analogous

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



34.4346, 33.4368, 55.0433



37.1075, 33.4368, 47.6782



38.3595, 33.4368, 38.0929

Triad

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



37.1075, 33.4368, 47.6782



32.3640, 33.4368, 21.4396



26.4731, 33.4368, 44.3177

Complementary

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



37.1075, 33.4368, 47.6782



33.5435, 40.9218, 33.3266

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.



26.0007, 33.4368, 34.7716



37.1075, 33.4368, 47.6782



29.2668, 33.4368, 22.5380

Square

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



37.1075, 33.4368, 47.6782



35.5049, 33.4368, 23.7658



26.9897, 33.4368, 27.0688



28.3265, 33.4368, 52.8848

Rectangle

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



37.1075, 33.4368, 47.6782



38.1627, 33.4368, 32.1045



26.9897, 33.4368, 27.0688



26.1530, 33.4368, 41.0777

Sweetspot

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



37.1085, 33.4383, 47.6789



74.6614, 74.9609, 88.8284



30.5483, 30.3169, 47.4222



16.0507, 16.0337, 19.1711



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



37.1085, 33.4383, 47.6789



64.9973, 56.2032, 85.7172



35.8153, 32.9478, 39.6582



8.8248, 8.6337, 10.7077



18.0532, 8.6425, 30.8537



0.5757, 0.2759, 0.9711

Inverse Universe

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



34.3689, 32.3692, 32.0419



59.0474, 53.8834, 51.6685



34.6863, 41.3583, 40.2764



8.5061, 8.5092, 8.8978



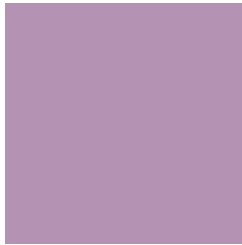
13.1615, 6.7822, 0.7446



0.4175, 0.2147, 0.0410

Previews

White Background



This preview shows how the XYZ color 37.1075, 33.4368, 47.6782 looks on a white background.

Color Contrast Check

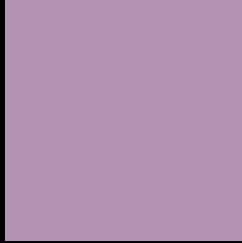
Large Text (above 18pt) WCAG AA × Fail

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 37.1075, 33.4368, 47.6782 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

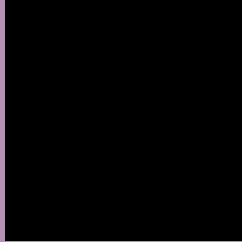
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.1075, 33.4368, 47.6782

Background



This preview shows how black text looks on a background with the XYZ color 37.1075, 33.4368, 47.6782.



This preview shows how white text looks on a background with the XYZ color 37.1075, 33.4368,

47.6782.

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

37.1075, 33.4368, 47.6782

Protanopia

33.1619, 33.4719, 51.1673

Deuteranopia

34.2259, 33.6142, 47.3321



Tritanopia

35.0850, 33.2982, 38.2962

Trichromacy



Original Color

37.1075, 33.4368, 47.6782

Protanomaly

34.5779, 33.4942, 49.9900

Deuteranomaly

35.1915, 33.3922, 47.2384

Tritanomaly

35.7892, 33.3541, 41.5975

Monochromacy



Original Color

37.1075, 33.4368, 47.6782

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

34.6327, 34.4482, 41.3830

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1075, 33.4368, 47.6782 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(179, 146, 180)` looks like.

```
.text, #text, p{  
    color:rgb(179, 146, 180)  
}
```

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(179, 146, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 146, 180) }
```

Border

The CSS property to change the border of an element to XYZ 37.1075, 33.4368, 47.6782 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(179, 146, 180) }
```


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

```
.border{ border-color:rgb(179, 146, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 146, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 146, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 146, 180);  
box-shadow:4px 4px 4px 4px rgb(179, 146,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1075, 33.4368, 47.6782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 146, 180) }
```

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

```
.background{ background-color: rgb(179,  
146, 180) }
```

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