

Converting Colors

XYZ(37.4869, 35.6672, 46.2187)

Have a look what the booklet for
XYZ(37.4869, 35.6672, 46.2187)
contains.

XYZ(37.2966, 35.4759, 45.9561)	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(37.2966, 35.4759,
45.9561)**

Conversions

Conversions Part 1

Format	Color
Hex	B09AB0
RGB	176, 154, 176
RGB Percent	69%, 60%, 69%
CMY	0.3098, 0.3961, 0.3098
CMYK	0.00, 0.12, 0.00, 0.31
HSL	300°, 12%, 65%
HSV	300°, 12%, 69%
XYZ	37.2966, 35.4759, 45.9561
YIQ	163.0860, 6.0500, 11.5060

Conversions

Conversions Part 2

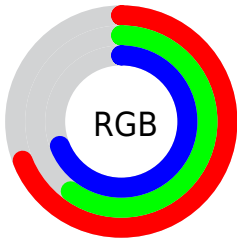
Format	Color
RYB	176, 154, 176
Decimal	11573936
CIELab	66.12, 12.10, -8.44
CIElCh	66, 14.754, 325.102
Yxy	35.4759, 0.3141, 0.2988
Android (android.graphics.Color)	4289764016 (0xFFB09AB0)
YUV	163.0860, 6.3666, 11.3256
Hunter-Lab	59.5616, 7.5411, -4.0533

Details

The XYZ color **37.2966, 35.4759, 45.9561** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.6859, 40.2549, 36.5156**, and the grayscale version is **34.8231, 36.6366, 39.8973**.

A 20% lighter version of the original color is **70.4001, 68.0938, 85.7769**, and **16.6567, 15.3667, 21.1569** is the 20% darker color. If you saturate the color by 10%, you get **34.6025, 30.0872, 45.0584**, and if you desaturate by 10%, it is **40.4187, 41.7195, 46.9973**.

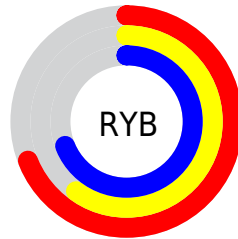
Distribution



Red (69%)

Green (60%)

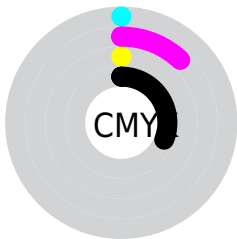
Blue (69%)



Red (69%)

Yellow (60%)

Blue (69%)

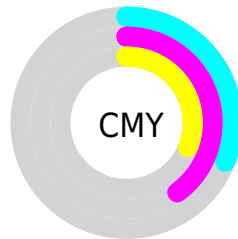


Cyan (0%)

Magenta (12%)

Yellow (0%)

Black (31%)



Cyan (31%)

Magenta (40%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2966, 35.4759, 45.9561 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 37.2966, 35.4759, 45.9561 by changing the saturation by 10% instead.

■ 37.2966, 35.4759,
45.9561

■ 37.2966, 35.4759,
45.9561

325.9261,
326.6640, 386.9046

■ 25.6119, 24.0297,
31.8628

■ 70.3396, 68.2224,
85.4869

■ 16.6647, 15.3557,
20.9927

■ 92.4286, 90.2914,
111.7614

■ 10.0895, 9.0694,
12.9275

118.7165,
116.6702, 142.9334

■ 5.5211, 4.7865,
7.2485

149.5686,
147.7431, 179.4215

■ 2.5940, 2.1225,
3.5372

185.3503,
183.8945, 221.6440

■ 0.9429, 0.6772,
1.3751

226.4269,

■ 0.0000, 0.0000,

225.5089, 270.0197

0.1221

273.1637,
272.9706, 324.9671

■ 0.0000, 0.0000,
0.0000

■ 37.2966, 35.4759,
45.9561

■ 37.2966, 35.4759,
45.9561

■ 34.6025, 30.0872,
45.0584

■ 40.4187, 41.7195,
46.9973

■ 32.3148, 25.5119,
44.2957

■ 43.9830, 48.8481,
48.1856

■ 30.4148, 21.7118,
43.6622

■ 48.0069, 56.8959,
49.5270

■ 28.8809, 18.6441,
43.1508

■ 52.5060, 65.8940,
51.0268

■ 27.6897, 16.2617,
42.7536

■ 57.4950, 75.8720,
52.6899

■ 26.8148, 14.5119,
42.4619

■ 61.5015, 83.8849,
54.0255

■ 26.2261, 13.3345,
42.2655

■ 61.5015, 83.8850,
54.0256

■ 25.8877, 12.6579,
42.1526

■ 61.5016, 83.8850,
54.0258

■ 25.7412, 12.3648,
42.1037

■ 61.5016, 83.8850,
54.0259

Harmonies

Analogous

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



35.5393, 35.4759, 50.6269



37.2966, 35.4759, 45.9561



38.0968, 35.4759, 39.6675

Triad

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



37.2966, 35.4759, 45.9561



34.0801, 35.4759, 27.8016



30.0428, 35.4759, 43.9799

Complementary

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



37.2966, 35.4759, 45.9561



34.6859, 40.2549, 36.5156

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.



29.6897, 35.4759, 37.6053



37.2966, 35.4759, 45.9561



31.9615, 35.4759, 28.6914

Square

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



37.2966, 35.4759, 45.9561



36.1891, 35.4759, 29.5454



30.3774, 35.4759, 32.1221



31.3635, 35.4759, 49.4020

Rectangle

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



37.2966, 35.4759, 45.9561



37.9557, 35.4759, 35.5657



30.3774, 35.4759, 32.1221



29.8095, 35.4759, 41.8596

Sweetspot

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



37.2976, 35.4774, 45.9569



72.3629, 73.7800, 84.9222



32.7201, 33.1176, 45.7428



15.5875, 15.7999, 18.3724



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



37.2976, 35.4774, 45.9569



66.2175, 61.4893, 82.8735



36.2528, 35.0595, 40.4550



8.8501, 8.6467, 10.7088



18.8865, 9.0721, 30.8918



0.5942, 0.2854, 0.9720

Inverse Universe

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



37.2976, 35.4774, 45.9569



66.2175, 61.4893, 82.8735



35.6446, 40.6383, 41.5639



8.8501, 8.6467, 10.7088



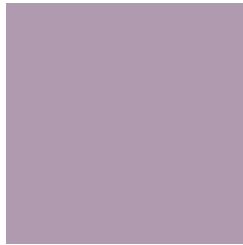
18.8865, 9.0721, 30.8918



0.5942, 0.2854, 0.9720

Previews

White Background



This preview shows how the XYZ color 37.2966, 35.4759, 45.9561 looks on a white background.

Color Contrast Check

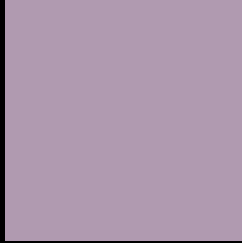
Large Text (above 18pt) WCAG AA × Fail

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 37.2966, 35.4759, 45.9561 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

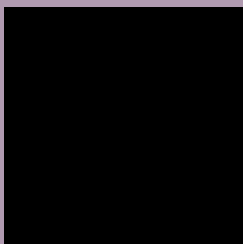
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.2966, 35.4759, 45.9561

Background



This preview shows how black text looks on a background with the XYZ color 37.2966, 35.4759, 45.9561.



This preview shows how white text looks on a background with the XYZ color 37.2966, 35.4759,

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

37.2966, 35.4759, 45.9561

Protanopia

34.9096, 35.7060, 48.2320

Deuteranopia

36.3025, 35.4576, 46.0049



Tritanopia

36.4684, 35.3838, 41.9535

Trichromacy



Original Color

37.2966, 35.4759, 45.9561

Protanomaly

35.8806, 35.7077, 47.6490

Deuteranomaly

36.5711, 35.3479, 45.9696

Tritanomaly

36.7512, 35.4969, 43.4427

Monochromacy



Original Color

37.2966, 35.4759, 45.9561

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

35.7871, 36.2936, 42.1650

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2966, 35.4759, 45.9561 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(176, 154, 176)` looks like.

```
.text, #text, p{  
    color:rgb(176, 154, 176)  
}
```

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(176, 154, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 154, 176) }
```

Border

The CSS property to change the border of an element to XYZ 37.2966, 35.4759, 45.9561 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(176, 154, 176) }
```


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

```
.border{ border-color:rgb(176, 154, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 154, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 154, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 154, 176);  
box-shadow:4px 4px 4px 4px rgb(176, 154,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2966, 35.4759, 45.9561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 154, 176) }
```

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

```
.background{ background-color: rgb(176,  
154, 176) }
```

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