

Converting Colors

XYZ(36.8663, 40.5638, 45.8820)

Have a look what the booklet for
XYZ(36.8663, 40.5638, 45.8820)
contains.

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Color

**XYZ(36.8766, 40.5972,
45.9368)**

Conversions

Conversions Part 1

Format	Color
Hex	9EAEAE
RGB	158, 174, 174
RGB Percent	62%, 68%, 68%
CMY	0.3804, 0.3176, 0.3176
CMYK	0.09, 0.00, 0.00, 0.32
HSL	180°, 9%, 65%
HSV	180°, 9%, 68%
XYZ	36.8766, 40.5972, 45.9368
YIQ	169.2160, -9.5360, -3.3920

Conversions

Conversions Part 2

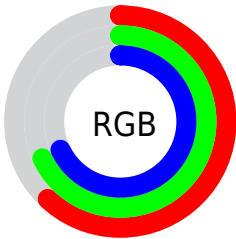
Format	Color
R _Y B	158, 166, 174
Decimal	10399406
CIE Lab	69.89, -5.55, -1.91
CIE LCh	70, 5.871, 198.995
Yxy	40.5972, 0.2988, 0.3290
Android (android.graphics.Color)	4288589486 (0xFF9EAEAE)
YUV	169.2160, 2.3585, -9.8364
Hunter-Lab	63.7159, -8.1932, 1.8553

Details

The XYZ color **36.8766, 40.5972, 45.9368** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.8555, 35.9222, 37.3936**, and the grayscale version is **37.8120, 39.7812, 43.3217**.

A 20% lighter version of the original color is **69.6027, 75.8419, 85.0992**, and **16.5358, 18.4500, 21.1020** is the 20% darker color. If you saturate the color by 10%, you get **33.6934, 38.9574, 45.7872**, and if you desaturate by 10%, it is **40.5468, 42.4903, 46.1109**.

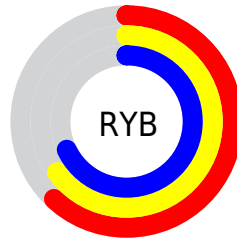
Distribution



Red (62%)

Green (68%)

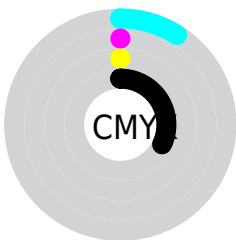
Blue (68%)



Red (62%)

Yellow (65%)

Blue (68%)

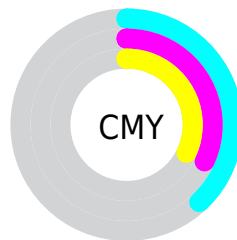


Cyan (9%)

Magenta (0%)

Yellow (0%)

Black (32%)



Cyan (38%)

Magenta (32%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8766, 40.5972, 45.9368 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 36.8766, 40.5972, 45.9368 by changing the saturation by 10% instead.

■ 36.8766, 40.5972,
45.9368

■ 36.8766, 40.5972,
45.9368

324.1408,
348.6343, 386.8247

■ 25.2852, 28.0045,
31.8476

■ 69.6980, 76.0721,
85.4577

■ 16.4195, 18.3290,
20.9813

■ 91.6587, 99.7230,
111.7265

■ 9.9142, 11.1865,
12.9192

117.8066,
127.8288, 142.8923

■ 5.4040, 6.1924,
7.2429

148.5070,
160.7738, 179.3736

■ 2.5233, 2.9624,
3.5337

184.1253,
198.9425, 221.5889

■ 0.9070, 1.1121,
1.3732

225.0267,

■ 0.0000, 0.0000,

242.7192, 269.9569

0.1207

271.5768,
292.4883, 324.8960

■ 0.0000, 0.0000,
0.0000

■ 36.8766, 40.5972,
45.9368

■ 36.8766, 40.5972,
45.9368

■ 33.6934, 38.9574,
45.7872

■ 40.5468, 42.4903,
46.1109

■ 30.9735, 37.5552,
45.6584

■ 44.7194, 44.6414,
46.3077

■ 28.6962, 36.3813,
45.5503

■ 49.4139, 47.0614,
46.5289

■ 26.8382, 35.4235,
45.4618

■ 54.6472, 49.7593,
46.7753

■ 25.3740, 34.6686,
45.3918

■ 60.4358, 52.7433,
47.0477

■ 24.2751, 34.1022,
45.3389

■ 64.0186, 54.5903,
47.2169

■ 23.5094, 33.7075,
45.3015

■ 64.0189, 54.5905,
47.2184

■ 23.0392, 33.4651,
45.2780

■ 64.0192, 54.5906,
47.2200

■ 22.7918, 33.3376,
45.2649

■ 64.0195, 54.5907,
47.2215

Harmonies

Analogous

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



36.8124, 40.5972, 43.2075



36.8766, 40.5972, 45.9368



37.3945, 40.5972, 48.2907

Triad

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



36.8766, 40.5972, 45.9368



39.9884, 40.5972, 47.7433



38.9379, 40.5972, 39.2411

Complementary

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



36.8766, 40.5972, 45.9368



35.8555, 35.9222, 37.3936

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.



39.8034, 40.5972, 40.3536



36.8766, 40.5972, 45.9368



40.4165, 40.5972, 45.2146

Square

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



36.8766, 40.5972, 45.9368



39.1870, 40.5972, 49.3631



40.3483, 40.5972, 42.5143



37.9920, 40.5972, 39.4165

Rectangle

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



36.8766, 40.5972, 45.9368



37.9322, 40.5972, 49.2952



40.3483, 40.5972, 42.5143



39.2482, 40.5972, 39.4749

Sweetspot

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



36.8778, 40.5989, 45.9377



70.8715, 75.6918, 83.5107



35.4619, 40.0386, 38.2077



15.6327, 16.7618, 18.5555



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.



36.8778, 40.5989, 45.9377



65.6662, 73.0084, 83.2648



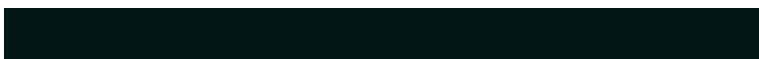
35.4265, 37.6959, 45.4552



8.2363, 9.0721, 10.2694



16.5176, 24.1723, 32.8288



0.4595, 0.6725, 0.9134

Inverse Universe

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



35.8555, 35.9222, 37.3936



63.4394, 62.8208, 64.6528



37.2164, 38.6444, 37.8461



8.0053, 8.0154, 8.3388



12.6608, 6.5269, 0.5932



0.3522, 0.1816, 0.0166

Previews

White Background



This preview shows how the XYZ color 36.8766, 40.5972, 45.9368 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 36.8766, 40.5972, 45.9368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

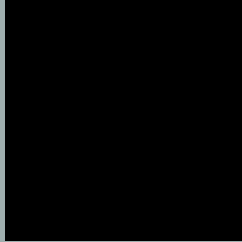
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

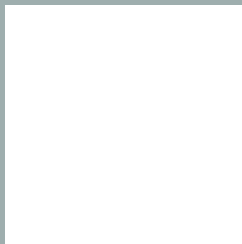
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.8766, 40.5972, 45.9368

Background



This preview shows how black text looks on a background with the XYZ color 36.8766, 40.5972, 45.9368.



This preview shows how white text looks on a background with the XYZ color 36.8766, 40.5972,

45.9368.

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

36.8766, 40.5972, 45.9368

Protanopia

39.0547, 40.6122, 44.8103

Deuteranopia

41.2992, 40.3591, 46.6877



Tritanopia

38.1127, 40.5238, 52.2675

Trichromacy



Original Color

36.8766, 40.5972, 45.9368

Protanomaly

38.2542, 40.4678, 45.3300

Deuteranomaly

39.4197, 40.2144, 46.2419

Tritanomaly

37.6851, 40.6355, 50.1132

Monochromacy



Original Color

36.8766, 40.5972, 45.9368

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.4306, 40.0654, 44.2887

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8766, 40.5972, 45.9368 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(158, 174, 174)` looks like.

```
.text, #text, p{  
    color:rgb(158, 174, 174)  
}
```

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(158, 174, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 174, 174) }
```

Border

The CSS property to change the border of an element to XYZ 36.8766, 40.5972, 45.9368 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(158, 174, 174) }
```


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

```
.border{ border-color:rgb(158, 174, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 174, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 174, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 174, 174);  
box-shadow:4px 4px 4px 4px rgb(158, 174,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8766, 40.5972, 45.9368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 174, 174) }
```

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

```
.background{ background-color: rgb(158,  
174, 174) }
```

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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