

Converting Colors

XYZ(36.7902, 38.4979, 45.2308)

Have a look what the booklet for
XYZ(36.7902, 38.4979, 45.2308)
contains.

XYZ(36.8786, 38.6539, 45.0524)	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(36.8786, 38.6539,
45.0524)**

Conversions

Conversions Part 1

Format	Color
Hex	A5A7AD
RGB	165, 167, 173
RGB Percent	65%, 65%, 68%
CMY	0.3529, 0.3451, 0.3216
CMYK	0.05, 0.03, 0.00, 0.32
HSL	225°, 5%, 66%
HSV	225°, 5%, 68%
XYZ	36.8786, 38.6539, 45.0524
YIQ	167.0860, -3.1180, 1.4420

Conversions

Conversions Part 2

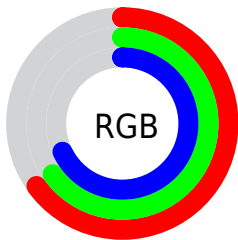
Format	Color
RYB	165, 167, 173
Decimal	10856365
CIELab	68.50, 0.46, -3.34
CIELCh	68, 3.375, 277.825
Yxy	38.6539, 0.3058, 0.3206
Android (android.graphics.Color)	4289046445 (0xFFA5A7AD)
YUV	167.0860, 2.9156, -1.8294
Hunter-Lab	62.1723, -2.9210, 0.5568

Details

The XYZ color **36.8786, 38.6539, 45.0524** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.5881, 40.7263, 41.4251**, and the grayscale version is **36.7607, 38.6752, 42.1173**.

A 20% lighter version of the original color is **69.6401, 73.0596, 83.8303**, and **16.3920, 17.1527, 20.5360** is the 20% darker color. If you saturate the color by 10%, you get **31.2630, 32.4079, 44.1434**, and if you desaturate by 10%, it is **43.2215, 45.6307, 46.0653**.

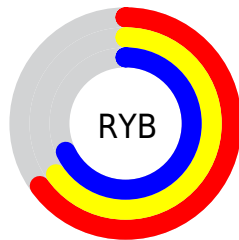
Distribution



Red (65%)

Green (65%)

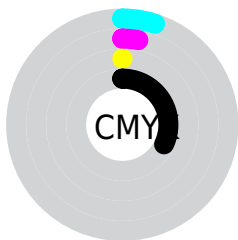
Blue (68%)



Red (65%)

Yellow (65%)

Blue (68%)

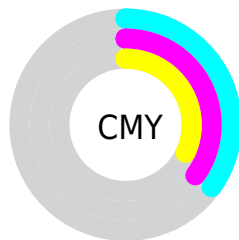


Cyan (5%)

Magenta (3%)

Yellow (0%)

Black (32%)



Cyan (35%)

Magenta (35%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8786, 38.6539, 45.0524 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 36.8786, 38.6539, 45.0524 by changing the saturation by 10% instead.

■ 36.8786, 38.6539,
45.0524

■ 36.8786, 38.6539,
45.0524

324.1493,
340.4168, 383.1521

■ 25.2868, 26.4906,
31.1555

■ 69.7011, 73.1093,
84.1183

■ 16.4207, 17.1910,
20.4578

■ 91.6624, 96.1702,
110.1244

■ 9.9151, 10.3708,
12.5409

117.8110,
123.6324, 141.0039

■ 5.4045, 5.6455,
6.9862

148.5121,
155.8803, 177.1754

■ 2.5237, 2.6307,
3.3751

184.1311,
193.2982, 219.0574

■ 0.9072, 0.9421,
1.2892

225.0334,

■ 0.0000, 0.0000,

236.2707, 267.0685

0.0529

271.5844,
285.1821, 321.6272

■ 0.0000, 0.0000,
0.0000

■ 36.8786, 38.6539,
45.0524

■ 36.8786, 38.6539,
45.0524

■ 31.2630, 32.4079,
44.1434

■ 43.2215, 45.6307,
46.0653

■ 26.3450, 26.8638,
43.3325

■ 50.3133, 53.3563,
47.1827

■ 22.0977, 21.9980,
42.6171

■ 58.1791, 61.8540,
48.4084

■ 18.4911, 17.7836,
41.9937

■ 66.8414, 71.1448,
49.7451

■ 15.4929, 14.1919,
41.4585

■ 76.3222, 81.2488,
51.1957

■ 13.0679, 11.1918,
41.0072

■ 81.3808, 89.4729,
52.5165

■ 11.1769, 8.7496,
40.6355

■ 84.5429, 95.7972,
53.5706

■ 9.7758, 6.8275,
40.3384

■ 8.8120, 5.3825,
40.1102

Harmonies

Analogous

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



36.3552, 38.6539, 44.8548



36.8786, 38.6539, 45.0524



37.3693, 38.6539, 44.4406

Triad

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



36.8786, 38.6539, 45.0524



37.5521, 38.6539, 40.3191



35.8017, 38.6539, 40.9931

Complementary

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



36.8786, 38.6539, 45.0524



38.5881, 40.7263, 41.4251

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.



36.1166, 38.6539, 39.8190



36.8786, 38.6539, 45.0524



37.1262, 38.6539, 39.4365

Square

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



36.8786, 38.6539, 45.0524



37.7605, 38.6539, 41.6905



36.6005, 38.6539, 39.2557



35.7368, 38.6539, 42.4870

Rectangle

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



36.8786, 38.6539, 45.0524



37.6107, 38.6539, 43.6645



36.6005, 38.6539, 39.2557



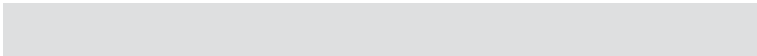
35.8816, 38.6539, 40.5490

Sweetspot

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



36.8797, 38.6555, 45.0532



69.9932, 73.5824, 81.3196



37.7992, 40.8223, 44.3493



15.2248, 16.0062, 17.6748



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



36.8797, 38.6555, 45.0532



64.4787, 67.4914, 80.4345



36.9068, 38.1290, 44.9502



8.0985, 8.4736, 10.1614



6.2237, 3.5813, 29.4077



0.2165, 0.1864, 0.8325

Inverse Universe

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



37.6646, 38.5853, 42.0237



66.3198, 67.3387, 73.3260



38.5594, 41.2773, 41.5330



8.3463, 8.4535, 9.2044



13.0051, 6.6646, 2.4063



0.3837, 0.1942, 0.1822

Previews

White Background



This preview shows how the XYZ color 36.8786, 38.6539, 45.0524 looks on a white background.

Color Contrast Check

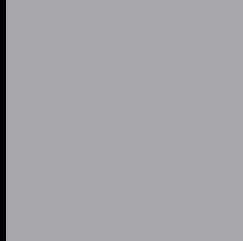
Large Text (above 18pt) WCAG AA × Fail

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 36.8786, 38.6539, 45.0524 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

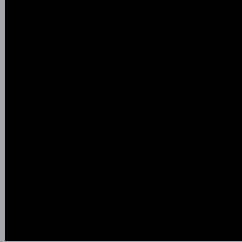
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.8786, 38.6539, 45.0524

Background



This preview shows how black text looks on a background with the XYZ color 36.8786, 38.6539, 45.0524.



This preview shows how white text looks on a background with the XYZ color 36.8786, 38.6539,

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

36.8786, 38.6539, 45.0524

Protanopia

37.2311, 38.5758, 44.5133

Deuteranopia

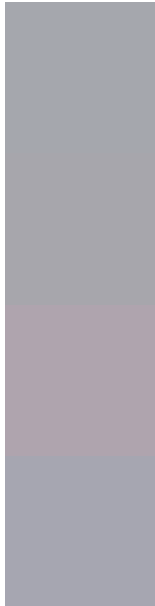
39.3827, 38.6000, 45.4192



Tritanopia

37.4988, 38.6341, 48.1286

Trichromacy



Original Color

36.8786, 38.6539, 45.0524

Protanomaly

37.0190, 38.4665, 44.5034

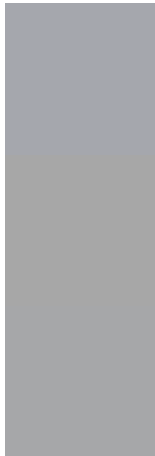
Deuteranomaly

38.5946, 38.7209, 45.4841

Tritanomaly

37.2979, 38.5538, 47.0708

Monochromacy



Original Color

36.8786, 38.6539, 45.0524

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

36.7060, 38.6090, 43.0538

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8786, 38.6539, 45.0524 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(165, 167, 173)` looks like.

```
.text, #text, p{  
    color:rgb(165, 167, 173)  
}
```

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(165, 167, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 167, 173) }
```

Border

The CSS property to change the border of an element to XYZ 36.8786, 38.6539, 45.0524 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(165, 167, 173) }
```


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

```
.border{ border-color:rgb(165, 167, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 167, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 167, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 167, 173);  
box-shadow:4px 4px 4px 4px rgb(165, 167,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8786, 38.6539, 45.0524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 167, 173) }
```

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

```
.background{ background-color: rgb(165,  
167, 173) }
```

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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