

Converting Colors

XYZ(36.8397, 39.0968, 45.1405)

Have a look what the booklet for
XYZ(36.8397, 39.0968, 45.1405)
contains.

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Color

**XYZ(36.8350, 39.1796,
45.1562)**

Conversions

Conversions Part 1

Format	Color
Hex	A3A9AD
RGB	163, 169, 173
RGB Percent	64%, 66%, 68%
CMY	0.3608, 0.3372, 0.3216
CMYK	0.06, 0.02, 0.00, 0.32
HSL	204°, 6%, 66%
HSV	204°, 6%, 68%
XYZ	36.8350, 39.1796, 45.1562
YIQ	167.6620, -4.8600, -0.0280

Conversions

Conversions Part 2

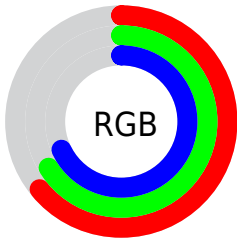
Format	Color
RYB	163, 167, 173
Decimal	10725805
CIELab	68.88, -1.33, -2.80
CIElCh	69, 3.100, 244.630
Yxy	39.1796, 0.3040, 0.3233
Android (android.graphics.Color)	4288915885 (0xFFA3A9AD)
YUV	167.6620, 2.6316, -4.0886
Hunter-Lab	62.5936, -4.4954, 1.0426

Details

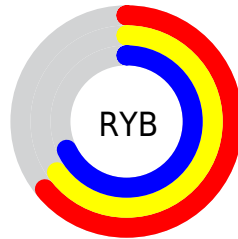
The XYZ color **36.8350, 39.1796, 45.1562** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.6632, 39.1655, 40.2254**, and the grayscale version is **37.0439, 38.9731, 42.4417**.

A 20% lighter version of the original color is **69.5727, 73.8182, 83.9802**, and **16.3680, 17.4826, 20.6009** is the 20% darker color. If you saturate the color by 10%, you get **32.2799, 34.9729, 44.5849**, and if you desaturate by 10%, it is **41.9450, 43.7756, 45.7746**.

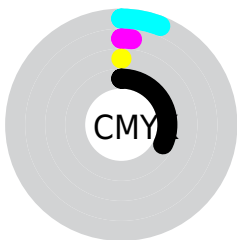
Distribution



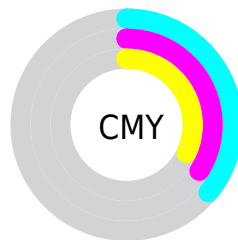
- Red (64%)
- Green (66%)
- Blue (68%)



- Red (64%)
- Yellow (65%)
- Blue (68%)



- Cyan (6%)
- Magenta (2%)
- Yellow (0%)
- Black (32%)



- Cyan (36%)
- Magenta (34%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8350, 39.1796, 45.1562 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 36.8350, 39.1796, 45.1562 by changing the saturation by 10% instead.

■ 36.8350, 39.1796,
45.1562

■ 36.8350, 39.1796,
45.1562

323.9636,
342.6535, 383.5844

■ 25.2529, 26.8995,
31.2366

■ 69.6344, 73.9126,
84.2757

■ 16.3953, 17.4977,
20.5191

■ 91.5824, 97.1343,
110.3127

■ 9.8969, 10.5900,
12.5852

117.7164,
124.7719, 141.2259

■ 5.3924, 5.7919,
7.0162

148.4017,
157.2099, 177.4339

■ 2.5164, 2.7189,
3.3936

184.0037,
194.8327, 219.3552

■ 0.9035, 0.9868,
1.2990

224.8878,

■ 0.0000, 0.0000,

238.0246, 267.4084

0.0609

271.4193,
287.1701, 322.0119

■ 0.0000, 0.0000,
0.0000

■ 36.8350, 39.1796,
45.1562

■ 36.8350, 39.1796,
45.1562

■ 32.2799, 34.9729,
44.5849

■ 41.9450, 43.7756,
45.7746

■ 28.2558, 31.1382,
44.0568

■ 47.6259, 48.7673,
46.4387

■ 24.7418, 27.6644,
43.5715

■ 53.8974, 54.1676,
47.1505

■ 21.7143, 24.5378,
43.1276

■ 60.7771, 59.9868,
47.9111

■ 19.1479, 21.7434,
42.7235

■ 68.2818, 66.2350,
48.7216

■ 17.0144, 19.2651,
42.3576

■ 71.9516, 70.6146,
49.3735

■ 15.2825, 17.0849,
42.0280

■ 73.7013, 74.1139,
49.9567

■ 13.9158, 15.1824,
41.7328

■ 75.5257, 77.7627,
50.5649

■ 12.8680, 13.5317,
41.4695

■ 77.4257, 81.5627,
51.1982

Harmonies

Analogous

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



36.4657, 39.1796, 44.2189



36.8350, 39.1796, 45.1562



37.3155, 39.1796, 45.4190

Triad

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



36.8350, 39.1796, 45.1562



38.1904, 39.1796, 42.4415



36.7038, 39.1796, 40.4683

Complementary

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



36.8350, 39.1796, 45.1562



37.6632, 39.1655, 40.2254

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.



37.1627, 39.1796, 40.0149



36.8350, 39.1796, 45.1562



38.0232, 39.1796, 41.1381

Square

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



36.8350, 39.1796, 45.1562



38.1008, 39.1796, 43.8318



37.6460, 39.1796, 40.2574



36.3904, 39.1796, 41.5091

Rectangle

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



36.8350, 39.1796, 45.1562



37.6349, 39.1796, 45.1716



37.6460, 39.1796, 40.2574



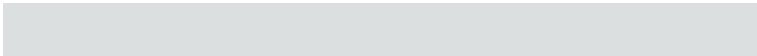
36.8460, 39.1796, 40.2432

Sweetspot

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



36.8361, 39.1813, 45.1571



69.2800, 73.1706, 81.2777



37.0080, 40.4581, 42.3377



15.0783, 15.9216, 17.6662



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.



36.8361, 39.1813, 45.1571



64.8192, 69.1198, 80.7309



35.9529, 37.4148, 44.8626



8.1611, 8.7079, 10.2033



9.2241, 9.5820, 30.4079



0.3082, 0.3698, 0.8631

Inverse Universe

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



37.4930, 37.9438, 42.8859



66.2604, 66.4295, 75.7429



38.5659, 40.9709, 40.5263



8.3513, 8.3536, 9.5449



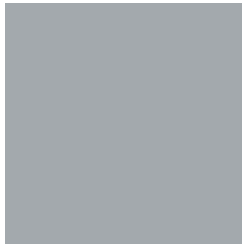
14.5195, 7.2704, 10.3812



0.4300, 0.2127, 0.4260

Previews

White Background



This preview shows how the XYZ color 36.8350, 39.1796, 45.1562 looks on a white background.

Color Contrast Check

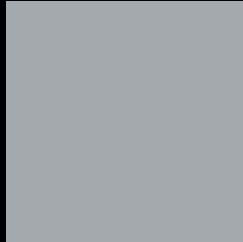
Large Text (above 18pt) WCAG AA × Fail

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 36.8350, 39.1796, 45.1562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

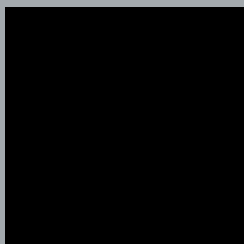
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.8350, 39.1796, 45.1562

Background



This preview shows how black text looks on a background with the XYZ color 36.8350, 39.1796, 45.1562.



This preview shows how white text looks on a background with the XYZ color 36.8350, 39.1796,

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

36.8350, 39.1796, 45.1562

Protanopia

37.8427, 39.1620, 44.5942

Deuteranopia

39.7932, 39.0741, 45.4891



Tritanopia

37.6530, 39.2340, 49.3045

Trichromacy



Original Color

36.8350, 39.1796, 45.1562

Protanomaly

37.3854, 39.1993, 44.6255

Deuteranomaly

38.5507, 38.9649, 45.5335

Tritanomaly

37.3484, 39.1121, 47.7004

Monochromacy



Original Color

36.8350, 39.1796, 45.1562

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

36.9842, 39.0145, 43.6115

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8350, 39.1796, 45.1562 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(163, 169, 173)` looks like.

```
.text, #text, p{  
    color:rgb(163, 169, 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(163, 169, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 169, 173) }
```

Border

The CSS property to change the border of an element to XYZ 36.8350, 39.1796, 45.1562 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(163, 169, 173) }
```


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

```
.border{ border-color:rgb(163, 169, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 169, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 169, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 169, 173);  
box-shadow:4px 4px 4px 4px rgb(163, 169,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8350, 39.1796, 45.1562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 169, 173) }
```

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

```
.background{ background-color: rgb(163,  
169, 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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