

Converting Colors

XYZ(36.7200, 39.3444, 45.0943)

Have a look what the booklet for
XYZ(36.7200, 39.3444, 45.0943)
contains.

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Color

**XYZ(36.8178, 39.4480,
45.2089)**

Conversions

Conversions Part 1

Format	Color
Hex	A2AAAD
RGB	162, 170, 173
RGB Percent	64%, 67%, 68%
CMY	0.3647, 0.3333, 0.3216
CMYK	0.06, 0.02, 0.00, 0.32
HSL	196°, 6%, 66%
HSV	196°, 6%, 68%
XYZ	36.8178, 39.4480, 45.2089
YIQ	167.9500, -5.7310, -0.7630

Conversions

Conversions Part 2

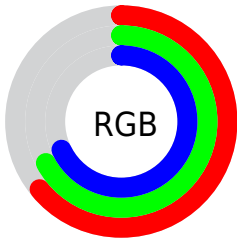
Format	Color
R _{YB}	162, 167, 173
Decimal	10660525
CIE _{Lab}	69.07, -2.22, -2.53
CIE _{LCh}	69, 3.361, 228.701
Yxy	39.4480, 0.3031, 0.3247
Android (android.graphics.Color)	4288850605 (0xFFA2AAAD)
YUV	167.9500, 2.4897, -5.2181
Hunter-Lab	62.8076, -5.2768, 1.2884

Details

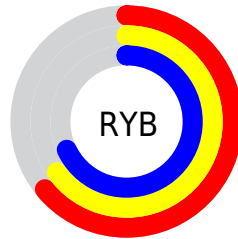
The XYZ color **36.8178, 39.4480, 45.2089** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.2103, 38.4026, 39.6341**, and the grayscale version is **37.1860, 39.1226, 42.6045**.

A 20% lighter version of the original color is **69.5441, 74.2036, 84.0561**, and **16.3600, 17.6523, 20.6341** is the 20% darker color. If you saturate the color by 10%, you get **32.6750, 36.0250, 44.7672**, and if you desaturate by 10%, it is **41.4781, 43.1869, 45.6856**.

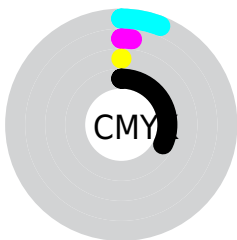
Distribution



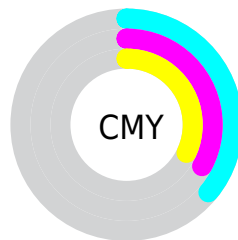
- Red (64%)
- Green (67%)
- Blue (68%)



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



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



- Cyan (36%)
- Magenta (33%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8178, 39.4480, 45.2089 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 36.8178, 39.4480, 45.2089 by changing the saturation by 10% instead.

■ 36.8178, 39.4480,
45.2089

■ 36.8178, 39.4480,
45.2089

323.8903,
343.7915, 383.8037

■ 25.2395, 27.1084,
31.2779

■ 69.6081, 74.3222,
84.3556

■ 16.3852, 17.6547,
20.5503

■ 91.5508, 97.6256,
110.4083

■ 9.8897, 10.7023,
12.6076

117.6791,
125.3525, 141.3386

■ 5.3876, 5.8671,
7.0314

148.3582,
157.8871, 177.5651

■ 2.5135, 2.7644,
3.4030

183.9535,
195.6139, 219.5063

■ 0.9021, 1.0100,
1.3039

224.8303,

■ 0.0000, 0.0000,

238.9173, 267.5808

0.0650

271.3542,
288.1817, 322.2071

■ 0.0000, 0.0000,
0.0000

■ 36.8178, 39.4480,
45.2089

■ 36.8178, 39.4480,
45.2089

■ 32.6750, 36.0250,
44.7672

■ 41.4781, 43.1869,
45.6856

■ 29.0263, 32.9022,
44.3567

■ 46.6712, 47.2470,
46.1955

■ 25.8515, 30.0699,
43.9773

■ 52.4162, 51.6396,
46.7406

■ 23.1278, 27.5156,
43.6279

■ 58.7301, 56.3738,
47.3216

■ 20.8302, 25.2260,
43.3070

■ 65.6290, 61.4586,
47.9395

■ 18.9314, 23.1865,
43.0134

■ 69.0422, 64.7958,
48.4037

■ 17.4005, 21.3807,
42.7456

■ 70.1385, 66.9883,
48.7691

■ 16.2017, 19.7895,
42.5016

■ 71.2687, 69.2486,
49.1458

■ 15.2867, 18.3876,
42.2793

■ 72.4329, 71.5771,
49.5339

Harmonies

Analogous

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



36.5260, 39.4480, 43.9059



36.8178, 39.4480, 45.2089



37.2925, 39.4480, 45.9132

Triad

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



36.8178, 39.4480, 45.2089



38.5143, 39.4480, 43.5333



37.1645, 39.4480, 40.2156

Complementary

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



36.8178, 39.4480, 45.2089



37.2103, 38.4026, 39.6341

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.



37.6965, 39.4480, 40.1212



36.8178, 39.4480, 45.2089



38.4792, 39.4480, 42.0124

Square

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



36.8178, 39.4480, 45.2089



38.2741, 39.4480, 44.9305



38.1787, 39.4480, 40.7718



36.7249, 39.4480, 41.0327

Rectangle

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



36.8178, 39.4480, 45.2089



37.6503, 39.4480, 45.9375



38.1787, 39.4480, 40.7718



37.3384, 39.4480, 40.0990

Sweetspot

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



36.8189, 39.4497, 45.2098



69.4325, 73.4756, 81.3285



36.6298, 40.2833, 41.4108



15.1096, 15.9842, 17.6766



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.



36.8189, 39.4497, 45.2098



64.5515, 69.5186, 80.8220



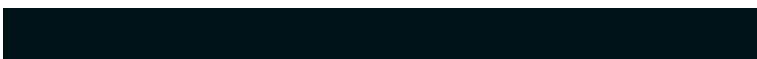
35.8207, 37.4532, 44.8770



8.0490, 8.6974, 10.2072



11.0591, 13.2521, 31.0195



0.3499, 0.4532, 0.8770

Inverse Universe

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



37.4104, 37.6278, 43.3234



65.8972, 65.4112, 76.5221



38.2118, 40.4057, 39.9680



8.2425, 8.1103, 9.5881



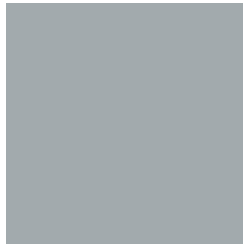
15.4458, 7.6409, 15.2588



0.4510, 0.2211, 0.5369

Previews

White Background



This preview shows how the XYZ color 36.8178, 39.4480, 45.2089 looks on a white background.

Color Contrast Check

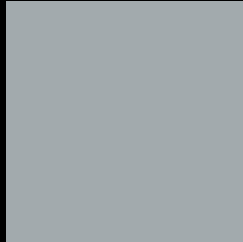
Large Text (above 18pt) WCAG AA × Fail

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 36.8178, 39.4480, 45.2089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

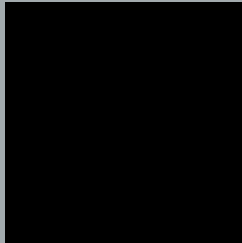
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.8178, 39.4480, 45.2089

Background



This preview shows how black text looks on a background with the XYZ color 36.8178, 39.4480, 45.2089.



This preview shows how white text looks on a background with the XYZ color 36.8178, 39.4480,

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

36.8178, 39.4480, 45.2089

Protanopia

38.0266, 39.5299, 44.6555

Deuteranopia

40.0286, 39.1955, 45.5001



Tritanopia

37.7357, 39.5399, 49.8990

Trichromacy



Original Color

36.8178, 39.4480, 45.2089

Protanomaly

37.5707, 39.5700, 44.6873

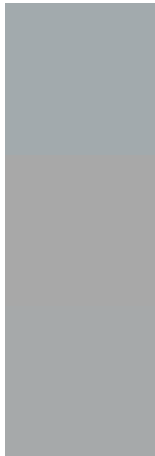
Deuteranomaly

38.9554, 39.4424, 45.6044

Tritanomaly

37.4289, 39.4171, 48.2834

Monochromacy



Original Color

36.8178, 39.4480, 45.2089

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.1696, 39.3852, 43.6733

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8178, 39.4480, 45.2089 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(162, 170, 173)` looks like.

```
.text, #text, p{  
    color:rgb(162, 170, 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(162, 170, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 170, 173) }
```

Border

The CSS property to change the border of an element to XYZ 36.8178, 39.4480, 45.2089 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(162, 170, 173) }
```


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

```
.border{ border-color:rgb(162, 170, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 170, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 170, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 170, 173);  
box-shadow:4px 4px 4px 4px rgb(162, 170,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8178, 39.4480, 45.2089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 170, 173) }
```

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

```
.background{ background-color: rgb(162,  
170, 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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