

Converting Colors

XYZ(39.6674, 42.3350, 45.6159)

Have a look what the booklet for
XYZ(39.6674, 42.3350, 45.6159)
contains.

XYZ(39.6674, 42.3350, 45.6159)	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(39.6674, 42.3350,
45.6159)**

Conversions

Conversions Part 1

Format	Color
Hex	ABAFAD
RGB	171, 175, 173
RGB Percent	67%, 69%, 68%
CMY	0.3294, 0.3137, 0.3216
CMYK	0.02, 0.00, 0.01, 0.31
HSL	150°, 2%, 68%
HSV	150°, 2%, 69%
XYZ	39.6674, 42.3350, 45.6159
YIQ	173.5760, -1.7420, -1.4700

Conversions

Conversions Part 2

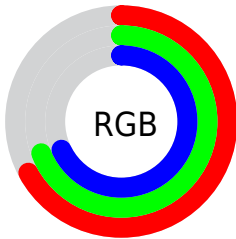
Format	Color
RYB	171, 174, 175
Decimal	11251629
CIELab	71.10, -1.78, 0.52
CIELCh	71, 1.859, 163.664
Yxy	42.3350, 0.3108, 0.3317
Android (android.graphics.Color)	4289441709 (0xFFABAFAD)
YUV	173.5760, -0.2840, -2.2592
Hunter-Lab	65.0654, -5.0410, 3.9788

Details

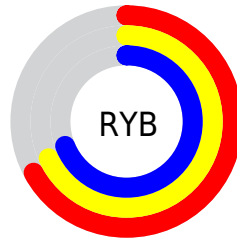
The XYZ color **39.6674, 42.3350, 45.6159** is a light color, and the websafe version is hex **999999**. A complement of this color would be **39.7865, 41.2581, 45.4040**, and the grayscale version is **40.0178, 42.1018, 45.8489**.

A 20% lighter version of the original color is **73.6644, 78.3638, 84.6420**, and **18.1419, 19.4683, 20.8907** is the 20% darker color. If you saturate the color by 10%, you get **35.2853, 40.1719, 41.1319**, and if you desaturate by 10%, it is **44.6122, 44.7842, 50.4180**.

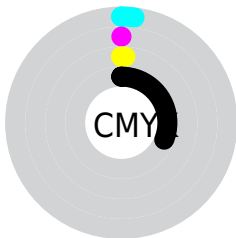
Distribution



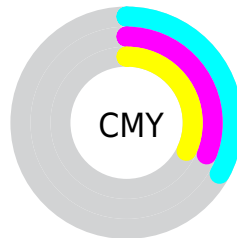
- Red (67%)
- Green (69%)
- Blue (68%)



- Red (67%)
- Yellow (68%)
- Blue (69%)



- Cyan (2%)
- Magenta (0%)
- Yellow (1%)
- Black (31%)



- Cyan (33%)
- Magenta (31%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.6674, 42.3350, 45.6159 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 39.6674, 42.3350, 45.6159 by changing the saturation by 10% instead.

■ 39.6674, 42.3350,
45.6159

■ 39.6674, 42.3350,
45.6159

335.8782,
355.8698, 385.4949

■ 27.4624, 29.3637,
31.5964

■ 73.9443, 78.7064,
84.9721

■ 18.0592, 19.3561,
20.7911

96.7470, 102.8752,
111.1458

■ 11.0924, 11.9279,
12.7816

123.8128,
131.5454, 142.2080

■ 6.1968, 6.6946,
7.1494

155.5073,
165.1013, 178.5772

■ 3.0069, 3.2718,
3.4759

192.1957,
203.9273, 220.6719

■ 1.1574, 1.2752,
1.3424

234.2434,

■ 0.0723, 0.1219,

248.4078, 268.9108

0.0962

282.0158,
298.9271, 323.7123

■ 0.0000, 0.0000,
0.0000

■ 39.6674, 42.3350,
45.6159

■ 39.6674, 42.3350,
45.6159

■ 35.2853, 40.1719,
41.1319

■ 44.6122, 44.7842,
50.4180

■ 31.4416, 38.2788,
36.9567

■ 50.1357, 47.5240,
55.5416

■ 28.1154, 36.6463,
33.0845

■ 56.2578, 50.5657,
60.9938

■ 25.2831, 35.2624,
29.5083

■ 62.9962, 53.9184,
66.7805

■ 22.9191, 34.1141,
26.2209

■ 69.0674, 56.9202,
72.8465

■ 20.9956, 33.1870,
23.2148

■ 70.2357, 57.3875,
78.9985

■ 19.4814, 32.4653,
20.4820

■ 71.4653, 57.8794,
85.4736

■ 18.3412, 31.9310,
18.0141

■ 72.7571, 58.3961,
92.2764

■ 17.5330, 31.5625,
15.8020

■ 74.1121, 58.9381,
99.4115

Harmonies

Analogous

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



39.8270, 42.3350, 44.8686



39.6674, 42.3350, 45.6159



39.6603, 42.3350, 46.5011

Triad

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



39.6674, 42.3350, 45.6159



40.3795, 42.3350, 47.7787



40.6720, 42.3350, 44.9240

Complementary

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



39.6674, 42.3350, 45.6159



39.7865, 41.2581, 45.4040

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.



40.8216, 42.3350, 45.6925



39.6674, 42.3350, 45.6159



40.6522, 42.3350, 47.3448

Square

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



39.6674, 42.3350, 45.6159



40.0703, 42.3350, 47.7576



40.8143, 42.3350, 46.5787



40.4065, 42.3350, 44.4727

Rectangle

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



39.6674, 42.3350, 45.6159



39.7428, 42.3350, 47.0508



40.8143, 42.3350, 46.5787



40.7376, 42.3350, 45.1534

Sweetspot

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



39.6686, 42.3368, 45.6168



72.1092, 76.3479, 82.7541



39.9305, 42.4940, 44.6263



16.0374, 16.9742, 18.4032



84.5950, 89.0005, 96.9216



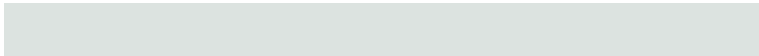
16.2198, 17.0645, 18.5832

Same Dimension

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



39.6686, 42.3368, 45.6168



70.4061, 75.5056, 81.0598



39.8574, 42.4123, 46.6109



8.6100, 9.2728, 9.9230



12.2540, 22.4669, 10.3772



0.3685, 0.6361, 0.4343

Inverse Universe

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



39.7865, 41.2581, 45.4040



70.6865, 72.9408, 80.5537



39.6005, 41.1836, 44.4242



8.6520, 8.8893, 9.8473



13.9404, 7.0387, 7.3315



0.4155, 0.2069, 0.3495

Previews

White Background



This preview shows how the XYZ color 39.6674, 42.3350, 45.6159 looks on a white background.

Color Contrast Check

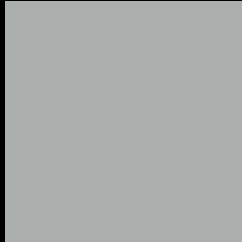
Large Text (above 18pt) WCAG AA × Fail

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 39.6674, 42.3350, 45.6159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

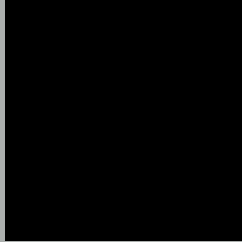
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

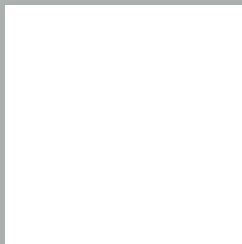
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.6674, 42.3350, 45.6159

Background



This preview shows how black text looks on a background with the XYZ color 39.6674, 42.3350, 45.6159.



This preview shows how white text looks on a background with the XYZ color 39.6674, 42.3350,

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

39.6674, 42.3350, 45.6159

Protanopia

40.5214, 42.2128, 45.0419

Deuteranopia

42.8778, 42.0084, 45.8929



Tritanopia

41.1468, 42.3592, 53.0212

Trichromacy



Original Color

39.6674, 42.3350, 45.6159

Protanomaly

40.2616, 42.3646, 45.0849

Deuteranomaly

41.7313, 42.2491, 45.9998

Tritanomaly

40.5928, 42.4202, 50.3044

Monochromacy



Original Color

39.6674, 42.3350, 45.6159

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

40.0096, 42.2123, 46.0835

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.6674, 42.3350, 45.6159 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(171, 175, 173)` looks like.

```
.text, #text, p{  
    color:rgb(171, 175, 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(171, 175, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 175, 173) }
```

Border

The CSS property to change the border of an element to XYZ 39.6674, 42.3350, 45.6159 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(171, 175, 173) }
```


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

```
.border{ border-color:rgb(171, 175, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 175, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 175, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 175, 173);  
box-shadow:4px 4px 4px 4px rgb(171, 175,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 39.6674, 42.3350, 45.6159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 175, 173) }
```

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

```
.background{ background-color: rgb(171,  
175, 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](#).

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