

Converting Colors

XYZ(39.3209, 42.0890, 45.6470)

Have a look what the booklet for
XYZ(39.3209, 42.0890, 45.6470)
contains.

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Color

**XYZ(39.4504, 42.2231,
45.6058)**

Conversions

Conversions Part 1

Format	Color
Hex	AAAFAD
RGB	170, 175, 173
RGB Percent	67%, 69%, 68%
CMY	0.3333, 0.3137, 0.3216
CMYK	0.03, 0.00, 0.01, 0.31
HSL	156°, 3%, 68%
HSV	156°, 3%, 69%
XYZ	39.4504, 42.2231, 45.6058
YIQ	173.2770, -2.3380, -1.6820

Conversions

Conversions Part 2

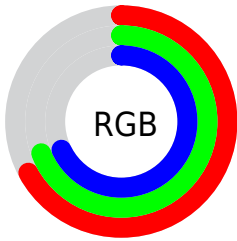
Format	Color
RYB	170, 173, 175
Decimal	11186093
CIELab	71.02, -2.14, 0.40
CIELCh	71, 2.172, 169.353
Yxy	42.2231, 0.3100, 0.3317
Android (android.graphics.Color)	4289376173 (0xFFAAAFAD)
YUV	173.2770, -0.1366, -2.8739
Hunter-Lab	64.9793, -5.3424, 3.8728

Details

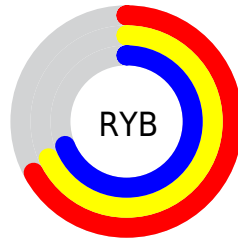
The XYZ color **39.4504, 42.2231, 45.6058** is a light color, and the websafe version is hex **999999**. A complement of this color would be **39.5019, 40.8432, 44.8334**, and the grayscale version is **39.8644, 41.9404, 45.6731**.

A 20% lighter version of the original color is **73.6308, 78.7608, 84.7204**, and **18.0054, 19.3979, 20.8844** is the 20% darker color. If you saturate the color by 10%, you get **35.2561, 40.1384, 41.9633**, and if you desaturate by 10%, it is **44.1863, 44.5853, 49.4610**.

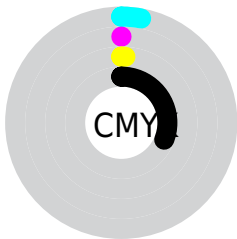
Distribution



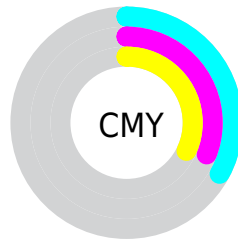
- Red (67%)
- Green (69%)
- Blue (68%)



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



- Cyan (3%)
- Magenta (0%)
- Yellow (1%)
- Black (31%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.4504, 42.2231, 45.6058 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 39.4504, 42.2231, 45.6058 by changing the saturation by 10% instead.

■ 39.4504, 42.2231,
45.6058

■ 39.4504, 42.2231,
45.6058

334.9759,
355.4069, 385.4530

■ 27.2926, 29.2760,
31.5884

■ 73.6155, 78.5372,
84.9568

■ 17.9308, 19.2897,
20.7851

96.3536, 102.6729,
111.1275

■ 10.9997, 11.8798,
12.7773

123.3491,
131.3071, 142.1864

■ 6.1339, 6.6619,
7.1465

154.9674,
164.8240, 178.5521

■ 2.9681, 3.2516,
3.4740

191.5739,
203.6080, 220.6430

■ 1.1369, 1.2644,
1.3415

233.5339,

■ 0.0557, 0.1134,

248.0436, 268.8778

0.0954

281.2128,
298.5151, 323.6750

■ 0.0000, 0.0000,
0.0000

■ 39.4504, 42.2231,
45.6058

■ 39.4504, 42.2231,
45.6058

■ 35.2561, 40.1384,
41.9633

■ 44.1863, 44.5853,
49.4610

■ 31.5796, 38.3153,
38.5271

■ 49.4793, 47.2294,
53.5297

■ 28.4004, 36.7446,
35.2940

■ 55.3490, 50.1665,
57.8165

■ 25.6953, 35.4144,
32.2600

■ 61.8127, 53.4056,
62.3247

■ 23.4393, 34.3119,
29.4211

■ 67.9599, 56.4772,
67.0145

■ 21.6050, 33.4230,
26.7727

■ 68.8414, 56.8298,
71.6566

■ 20.1616, 32.7319,
24.3102

■ 69.7615, 57.1978,
76.5019

■ 19.0742, 32.2207,
22.0288

■ 70.7207, 57.5815,
81.5527

■ 18.3010, 31.8679,
19.9230

■ 71.7193, 57.9809,
86.8115

Harmonies

Analogous

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



39.6051, 42.2231, 44.6852



39.4504, 42.2231, 45.6058



39.4775, 42.2231, 46.6387

Triad

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



39.4504, 42.2231, 45.6058



40.3633, 42.2231, 47.8838



40.5877, 42.2231, 44.4752

Complementary

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



39.4504, 42.2231, 45.6058



39.5019, 40.8432, 44.8334

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.



40.7933, 42.2231, 45.3152



39.4504, 42.2231, 45.6058



40.6632, 42.2231, 47.2869

Square

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



39.4504, 42.2231, 45.6058



40.0031, 42.2231, 47.9644



40.8210, 42.2231, 46.3437



40.2608, 42.2231, 44.0390

Rectangle

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



39.4504, 42.2231, 45.6058



39.5950, 42.2231, 47.2517



40.8210, 42.2231, 46.3437



40.6734, 42.2231, 44.7191

Sweetspot

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



39.4516, 42.2249, 45.6067



72.1404, 76.3603, 82.9181



39.6187, 42.3442, 44.1161



16.0439, 16.9769, 18.4377



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.



39.4516, 42.2249, 45.6067



70.4985, 75.5426, 81.5461



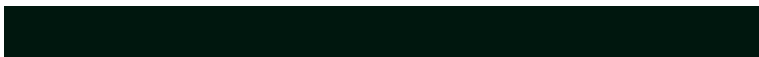
39.5659, 42.1410, 46.6082



8.6238, 9.2783, 9.9957



12.8331, 22.6985, 13.4266



0.3831, 0.6419, 0.5108

Inverse Universe

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



39.5019, 40.8432, 44.8334



70.5945, 72.9040, 80.0694



39.3892, 40.9233, 43.8539



8.6382, 8.8838, 9.7749



13.4824, 6.8555, 4.9198



0.4025, 0.2017, 0.2816

Previews

White Background



This preview shows how the XYZ color 39.4504, 42.2231, 45.6058 looks on a white background.

Color Contrast Check

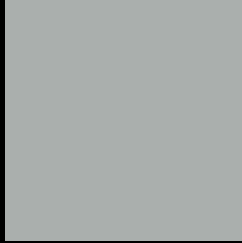
Large Text (above 18pt) WCAG AA × Fail

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 39.4504, 42.2231, 45.6058 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

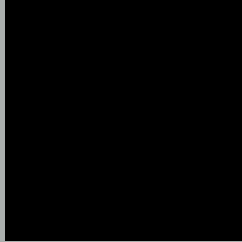
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

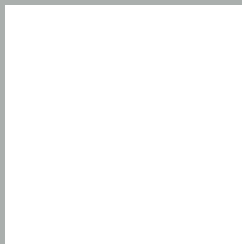
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.4504, 42.2231, 45.6058

Background



This preview shows how black text looks on a background with the XYZ color 39.4504, 42.2231, 45.6058.



This preview shows how white text looks on a background with the XYZ color 39.4504, 42.2231,

45.6058.

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

39.4504, 42.2231, 45.6058

Protanopia

40.5214, 42.2128, 45.0419

Deuteranopia

42.8778, 42.0084, 45.8929



Tritanopia

40.9265, 42.2457, 53.0109

Trichromacy



Original Color

39.4504, 42.2231, 45.6058

Protanomaly

40.0380, 42.2493, 45.0744

Deuteranomaly

41.7313, 42.2491, 45.9998

Tritanomaly

40.3741, 42.3074, 50.2942

Monochromacy



Original Color

39.4504, 42.2231, 45.6058

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.6921, 42.0599, 45.5615

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.4504, 42.2231, 45.6058 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(170, 175, 173)` looks like.

```
.text, #text, p{  
    color:rgb(170, 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(170, 175, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 175, 173) }
```

Border

The CSS property to change the border of an element to XYZ 39.4504, 42.2231, 45.6058 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(170, 175, 173) }
```


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

```
.border{ border-color:rgb(170, 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(170, 175, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 175, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 175, 173);  
box-shadow:4px 4px 4px 4px rgb(170, 175,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 39.4504, 42.2231, 45.6058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 175, 173) }
```

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

```
.background{ background-color: rgb(170,  
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](#).

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