

Converting Colors

XYZ(39.9856, 40.9997, 45.2980)

Have a look what the booklet for
XYZ(39.9856, 40.9997, 45.2980)
contains.

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Color

**XYZ(40.0490, 41.1137,
45.3601)**

Conversions

Conversions Part 1

Format	Color
Hex	B1AAAD
RGB	177, 170, 173
RGB Percent	69%, 67%, 68%
CMY	0.3059, 0.3333, 0.3216
CMYK	0.00, 0.04, 0.02, 0.31
HSL	334°, 4%, 68%
HSV	334°, 4%, 69%
XYZ	40.0490, 41.1137, 45.3601
YIQ	172.4350, 3.2090, 2.4170

Conversions

Conversions Part 2

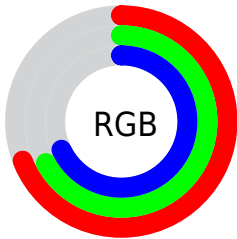
Format	Color
RYB	177, 170, 173
Decimal	11643565
CIELab	70.26, 3.06, -0.66
CIELCh	70, 3.126, 347.901
Yxy	41.1137, 0.3165, 0.3250
Android (android.graphics.Color)	4289833645 (0xFFB1AAAD)
YUV	172.4350, 0.2785, 4.0035
Hunter-Lab	64.1200, -0.7198, 2.9407

Details

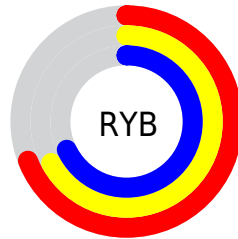
The XYZ color **40.0490, 41.1137, 45.3601** is a light color, and the websafe version is hex **999999**. A complement of this color would be **39.9412, 43.0474, 46.2503**, and the grayscale version is **39.4316, 41.4851, 45.1773**.

A 20% lighter version of the original color is **74.5331, 76.7755, 84.2896**, and **18.2418, 18.6224, 20.7222** is the 20% darker color. If you saturate the color by 10%, you get **36.0097, 34.5427, 39.3647**, and if you desaturate by 10%, it is **44.6115, 48.6114, 51.8968**.

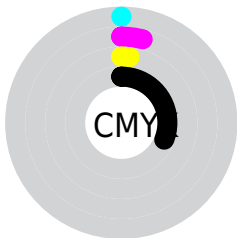
Distribution



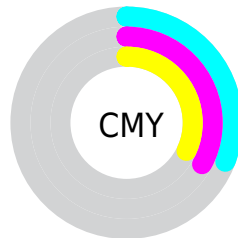
- Red (69%)
- Green (67%)
- Blue (68%)



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



- Cyan (0%)
- Magenta (4%)
- Yellow (2%)
- Black (31%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0490, 41.1137, 45.3601 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 40.0490, 41.1137, 45.3601 by changing the saturation by 10% instead.

■ 40.0490, 41.1137,
45.3601

■ 40.0490, 41.1137,
45.3601

337.4609,
350.7956, 384.4326

■ 27.7611, 28.4079,
31.3961

■ 74.5220, 76.8565,
84.5847

■ 18.2852, 18.6334,
20.6397

97.4378, 100.6623,
110.6824

■ 11.2559, 11.4057,
12.6722

124.6270,
128.9368, 141.6618

■ 6.3078, 6.3404,
7.0752

156.4549,
162.0646, 177.9414

■ 3.0755, 3.0531,
3.4300

193.2869,
200.4300, 219.9397

■ 1.1938, 1.1595,
1.3182

235.4884,

■ 0.1015, 0.0283,

244.4174, 268.0753

0.0766

283.4246,
294.4111, 322.7668

■ 0.0000, 0.0000,
0.0000

■ 40.0490, 41.1137,
45.3601

■ 40.0490, 41.1137,
45.3601

■ 36.0097, 34.5427,
39.3647

■ 44.6115, 48.6114,
51.8968

■ 32.4708, 28.8570,
33.8935

■ 49.7122, 57.0646,
58.9861

■ 29.4129, 24.0199,
28.9321

■ 55.3694, 66.5073,
66.6421

■ 26.8139, 19.9900,
24.4645

■ 61.5999, 76.9706,
74.8779

■ 24.6499, 16.7225,
20.4738

■ 67.2912, 86.2270,
83.3296

■ 22.8948, 14.1682,
16.9420

■ 68.7017, 86.7912,
90.7571

■ 21.5195, 12.2720,
13.8494

■ 70.1952, 87.3886,
98.6218

■ 20.4906, 10.9706,
11.1748

■ 71.7731, 88.0198,
106.9306

■ 19.7685, 10.1880,
8.8940

■ 71.9417, 88.0872,
107.8185

Harmonies

Analogous

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



39.8132, 41.1137, 46.6850



40.0490, 41.1137, 45.3601



40.0228, 41.1137, 43.9038

Triad

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



40.0490, 41.1137, 45.3601



38.7752, 41.1137, 42.1331



38.4203, 41.1137, 46.8931

Complementary

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



40.0490, 41.1137, 45.3601



39.9412, 43.0474, 46.2503

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.



38.1469, 41.1137, 45.6391



40.0490, 41.1137, 45.3601



38.3506, 41.1137, 42.9000

Square

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



40.0490, 41.1137, 45.3601



39.2843, 41.1137, 42.0621



38.1215, 41.1137, 44.1768



38.8711, 41.1137, 47.5830

Rectangle

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



40.0490, 41.1137, 45.3601



39.8602, 41.1137, 43.0541



38.1215, 41.1137, 44.1768



38.3048, 41.1137, 46.5223

Sweetspot

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



40.0502, 41.1155, 45.3610



74.0278, 77.4027, 84.5742



39.7601, 40.9206, 47.3984



16.0526, 16.7901, 18.3424



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.



40.0502, 41.1155, 45.3610



70.8620, 72.2206, 79.9749



39.8509, 41.1759, 43.8797



8.9934, 9.1355, 10.1333



14.1066, 7.1602, 5.7212



0.4733, 0.2371, 0.3351

Inverse Universe

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



40.0502, 41.1155, 45.3610



70.8620, 72.2206, 79.9749



40.1448, 42.9816, 47.7759



8.9934, 9.1355, 10.1333



14.1066, 7.1602, 5.7212



0.4733, 0.2371, 0.3351

Previews

White Background



This preview shows how the XYZ color 40.0490, 41.1137, 45.3601 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 40.0490, 41.1137, 45.3601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

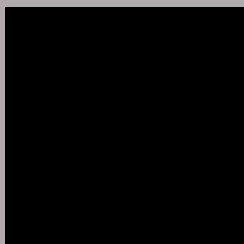
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.0490, 41.1137, 45.3601

Background



This preview shows how black text looks on a background with the XYZ color 40.0490, 41.1137, 45.3601.



This preview shows how white text looks on a background with the XYZ color 40.0490, 41.1137,

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

40.0490, 41.1137, 45.3601

Protanopia

39.6585, 41.1805, 45.9028

Deuteranopia

41.7697, 40.8932, 45.7361



Tritanopia

40.9916, 41.2183, 50.0514

Trichromacy



Original Color

40.0490, 41.1137, 45.3601

Protanomaly

39.8821, 41.2958, 45.9133

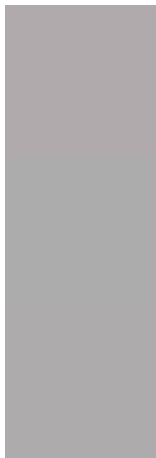
Deuteranomaly

40.9871, 40.7607, 45.7517

Tritanomaly

40.6847, 41.0956, 48.4357

Monochromacy



Original Color

40.0490, 41.1137, 45.3601

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

39.4649, 41.1030, 44.8834

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0490, 41.1137, 45.3601 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(177, 170, 173)` looks like.

```
.text, #text, p{  
    color:rgb(177, 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(177, 170, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 170, 173) }
```

Border

The CSS property to change the border of an element to XYZ 40.0490, 41.1137, 45.3601 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(177, 170, 173) }
```


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

```
.border{ border-color:rgb(177, 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(177, 170, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 170, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 170, 173);  
box-shadow:4px 4px 4px 4px rgb(177, 170,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0490, 41.1137, 45.3601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 170, 173) }
```

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

```
.background{ background-color: rgb(177,  
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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