

Converting Colors

XYZ(33.5862, 40.5884, 9.7933)

Have a look what the booklet for
XYZ(33.5862, 40.5884, 9.7933)
contains.

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Color

**XYZ(33.6695, 40.6140,
9.8061)**

Conversions

Conversions Part 1

Format	Color
Hex	ADB138
RGB	173, 177, 56
RGB Percent	68%, 69%, 22%
CMY	0.3216, 0.3059, 0.7804
CMYK	0.02, 0.00, 0.68, 0.31
HSL	62°, 52%, 46%
HSV	62°, 68%, 69%
XYZ	33.6695, 40.6140, 9.8061
YIQ	162.0100, 36.4570, -38.4790

Conversions

Conversions Part 2

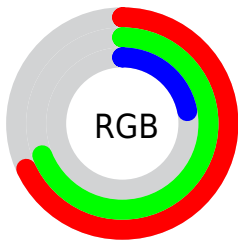
Format	Color
RYB	56, 177, 60
Decimal	11383096
CIELab	69.90, -16.50, 58.46
CIELCh	70, 60.746, 105.757
Yxy	40.6140, 0.4004, 0.4830
Android (android.graphics.Color)	4289573176 (0xFFADB138)
YUV	162.0100, -52.2629, 9.6382
Hunter-Lab	63.7291, -17.2205, 35.4873

Details

The XYZ color **33.6695, 40.6140, 9.8061** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **11.2147, 6.9642, 42.3506**, and the grayscale version is **34.5735, 36.3741, 39.6113**.

A 20% lighter version of the original color is **64.6261, 75.8279, 25.9819**, and **14.6697, 18.4491, 2.7879** is the 20% darker color. If you saturate the color by 10%, you get **33.1820, 40.4056, 7.9097**, and if you desaturate by 10%, it is **34.3125, 40.8877, 12.5102**.

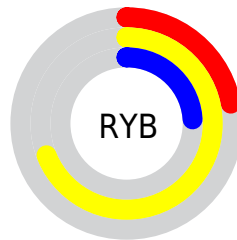
Distribution



Red (68%)

Green (69%)

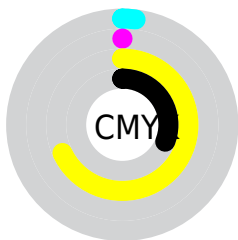
Blue (22%)



Red (22%)

Yellow (69%)

Blue (24%)

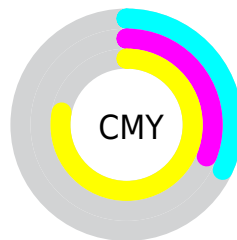


Cyan (2%)

Magenta (0%)

Yellow (68%)

Black (31%)



Cyan (32%)


Magenta (31%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.6695, 40.6140, 9.8061 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 33.6695, 40.6140, 9.8061 by changing the saturation by 10% instead.


 33.6695, 40.6140,
9.8061


 33.6695, 40.6140,
9.8061


310.2678,
348.7047, 199.7168


 22.8015, 28.0176,
5.1667


 64.7671, 76.0976,
26.0322

 14.5669, 18.3389,
2.2849


 85.7274, 99.7536,
38.4560


 8.6003, 11.1936,
0.7228


 110.7825,
127.8648, 54.3117

 4.5364, 6.1972,
0.0000

 140.2978,
160.8158, 74.0177

 2.0099, 2.9654,
0.0000

 174.6386,
198.9909, 97.9927

 0.6395, 1.1137,
0.0000

 214.1703,

 0.0000, 0.0000,

242.7745, 126.6552

0.0000

259.2582,
292.5510, 160.4237

■ 33.6695, 40.6140,
9.8061

■ 33.6695, 40.6140,
9.8061

■ 33.1820, 40.4056,
7.9097

■ 34.3125, 40.8877,
12.5102

■ 32.8302, 40.2500,
6.7290

■ 35.1227, 41.2268,
16.0958

■ 32.5863, 40.1376,
6.1132

■ 36.1138, 41.6384,
20.6314

■ 32.5494, 40.1204,
6.0285

■ 37.2975, 42.1271,
26.1780

■ 38.6844, 42.6971,
32.7915

■ 40.2842, 43.3524,
40.5236

■ 42.1063, 44.0966,
49.4228

■ 44.1592, 44.9332,
59.5348

■ 46.4512, 45.8656,
70.9026

Harmonies

Analogous

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



43.4679, 40.6140, 9.6704



33.6695, 40.6140, 9.8061



26.5288, 40.6140, 16.0862

Triad

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



33.6695, 40.6140, 9.8061



26.8063, 40.6140, 95.7757



60.1005, 40.6140, 59.0047

Complementary

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



33.6695, 40.6140, 9.8061



11.2147, 6.9642, 42.3506

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.



53.8751, 40.6140, 94.0834



33.6695, 40.6140, 9.8061



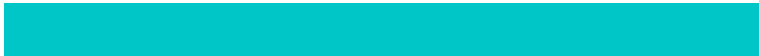
34.1143, 40.6140, 120.7033

Square

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



33.6695, 40.6140, 9.8061



23.0527, 40.6140, 60.7045



43.9950, 40.6140, 119.9777



59.9260, 40.6140, 31.0304

Rectangle

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



33.6695, 40.6140, 9.8061



23.7412, 40.6140, 25.4316



43.9950, 40.6140, 119.9777



58.6462, 40.6140, 70.5366

Sweetspot

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



33.6704, 40.6159, 9.8069



68.4944, 76.1429, 54.9673



20.3605, 12.6614, 5.1127



14.6980, 16.4415, 11.2162



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.



33.6704, 40.6159, 9.8069



59.0784, 72.2090, 12.9503



23.4400, 35.3419, 9.3282



9.1687, 9.8920, 9.0786



23.5923, 29.0724, 4.3681



0.7509, 0.9192, 0.1378

Inverse Universe

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



11.2147, 6.9642, 42.3506



16.2138, 7.9098, 75.1675



16.8928, 9.8914, 42.6163



8.0671, 8.2431, 10.6722



5.8132, 2.3326, 30.2808



0.1915, 0.0778, 0.9532

Previews

White Background



This preview shows how the XYZ color 33.6695, 40.6140, 9.8061 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 33.6695, 40.6140, 9.8061 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 33.6695, 40.6140, 9.8061

Background



This preview shows how black text looks on a background with the XYZ color 33.6695, 40.6140, 9.8061.



This preview shows how white text looks on a background with the XYZ color 33.6695, 40.6140,

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

33.6695, 40.6140, 9.8061

Protanopia

36.7146, 40.4685, 9.3662

Deuteranopia

41.2032, 40.3237, 10.0265



Tritanopia

41.2582, 40.3150, 47.7265

Trichromacy



Original Color

33.6695, 40.6140, 9.8061

Protanomaly

35.4003, 40.3533, 9.5376

Deuteranomaly

37.8968, 39.9590, 9.8531

Tritanomaly

37.3134, 39.8005, 28.2699

Monochromacy



Original Color

33.6695, 40.6140, 9.8061

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.1198, 37.1745, 24.1687

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6695, 40.6140, 9.8061 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(173, 177, 56)` looks like.

```
.text, #text, p{  
    color:rgb(173, 177, 56)  
}
```

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(173, 177, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 177, 56) }
```

Border

The CSS property to change the border of an element to XYZ 33.6695, 40.6140, 9.8061 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(173, 177, 56) }
```


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

```
.border{ border-color:rgb(173, 177, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 177, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 177, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 177, 56);  
box-shadow:4px 4px 4px 4px rgb(173, 177,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6695, 40.6140, 9.8061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 177, 56) }
```

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

```
.background{ background-color: rgb(173,  
177, 56) }
```

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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