

Converting Colors

XYZ(34.8083, 40.4261, 36.6761)

Have a look what the booklet for
XYZ(34.8083, 40.4261, 36.6761)
contains.

XYZ(34.6845, 40.2538, 36.5135)	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(34.6845, 40.2538,
36.5135)**

Conversions

Conversions Part 1

Format	Color
Hex	9AB09A
RGB	154, 176, 154
RGB Percent	60%, 69%, 60%
CMY	0.3961, 0.3098, 0.3961
CMYK	0.13, 0.00, 0.13, 0.31
HSL	120°, 12%, 65%
HSV	120°, 13%, 69%
XYZ	34.6845, 40.2538, 36.5135
YIQ	166.9140, -6.0500, -11.5060

Conversions

Conversions Part 2

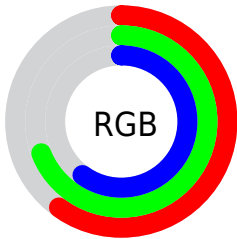
Format	Color
RYB	154, 176, 176
Decimal	10137754
CIELab	69.65, -11.88, 8.72
CIELCh	70, 14.736, 143.713
Yxy	40.2538, 0.3112, 0.3612
Android (android.graphics.Color)	4288327834 (0xFF9AB09A)
YUV	166.9140, -6.3666, -11.3256
Hunter-Lab	63.4459, -13.4482, 10.2904

Details

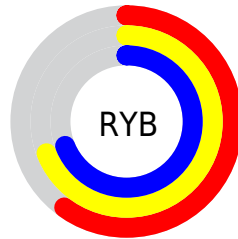
The XYZ color **34.6845, 40.2538, 36.5135** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.2980, 35.4769, 45.9582**, and the grayscale version is **36.7218, 38.6342, 42.0726**.

A 20% lighter version of the original color is **66.5363, 75.8226, 70.8029**, and **15.1247, 18.0288, 15.5147** is the 20% darker color. If you saturate the color by 10%, you get **30.2172, 38.1091, 29.2055**, and if you desaturate by 10%, it is **39.8602, 42.7411, 44.9784**.

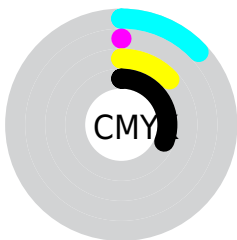
Distribution



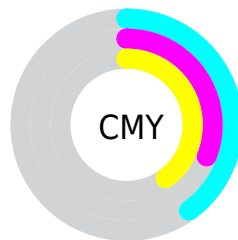
- Red (60%)
- Green (69%)
- Blue (60%)



- Red (60%)
- Yellow (69%)
- Blue (69%)



- Cyan (13%)
- Magenta (0%)
- Yellow (13%)
- Black (31%)



- Cyan (40%)
- Magenta (31%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.6845, 40.2538, 36.5135 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 34.6845, 40.2538, 36.5135 by changing the saturation by 10% instead.

■ 34.6845, 40.2538,
36.5135

■ 34.6845, 40.2538,
36.5135

314.7060,
347.1921, 346.3045

■ 23.5853, 27.7365,
24.5382

■ 66.3340, 75.5498,
71.0019

■ 15.1494, 18.1271,
15.5175

■ 87.6150, 99.0973,
94.3520

■ 9.0113, 11.0413,
9.0327

113.0206,
127.0904, 122.3308

■ 4.8057, 6.0946,
4.6654

142.9163,
159.9133, 155.3569

■ 2.1673, 2.9027,
1.9970

177.6673,
197.9506, 193.8488

■ 0.7254, 1.0811,
0.5535

217.6390,

■ 0.0000, 0.0000,

241.5865, 238.2250

0.0000

263.1968,
291.2056, 288.9040

■ 34.6845, 40.2538,
36.5135

■ 34.6845, 40.2538,
36.5135

■ 30.2172, 38.1091,
29.2055

■ 39.8602, 42.7411,
44.9784

■ 26.4243, 36.2872,
23.0015

■ 45.7697, 45.5798,
54.6445

■ 23.2742, 34.7740,
17.8489

■ 52.4413, 48.7845,
65.5570

■ 20.7312, 33.5525,
13.6893

■ 59.9007, 52.3676,
77.7582

■ 18.7562, 32.6038,
10.4589

■ 68.1725, 56.3410,
91.2881

■ 17.3057, 31.9071,
8.0864

■ 74.8161, 59.5323,
102.1554

■ 16.3298, 31.4383,
6.4901

■ 15.7690, 31.1689,
5.5726

■ 15.5261, 31.0523,
5.1754

Harmonies

Analogous

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



36.4469, 40.2538, 32.8801



34.6845, 40.2538, 36.5135



33.8843, 40.2538, 42.4083

Triad

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



34.6845, 40.2538, 36.5135



37.7605, 40.2538, 58.2085



42.6100, 40.2538, 38.7616

Complementary

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



34.6845, 40.2538, 36.5135



37.2980, 35.4769, 45.9582

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.



42.9972, 40.2538, 45.2822



34.6845, 40.2538, 36.5135



40.1323, 40.2538, 56.9742

Square

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



34.6845, 40.2538, 36.5135



35.6120, 40.2538, 55.2798



42.0732, 40.2538, 52.0629



41.0361, 40.2538, 34.0808

Rectangle

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



34.6845, 40.2538, 36.5135



33.9794, 40.2538, 47.0143



42.0732, 40.2538, 52.0629



42.8859, 40.2538, 40.7920

Sweetspot

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



34.6856, 40.2555, 36.5144



70.7307, 76.7656, 79.0220



39.2644, 42.6160, 36.7286



15.1715, 16.5609, 16.8685



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.



34.6856, 40.2555, 36.5144



60.5418, 71.8714, 62.3561



35.6445, 40.6391, 41.5640



8.3890, 9.4901, 9.0422



11.3912, 22.7825, 3.7971



0.3584, 0.7168, 0.1195

Inverse Universe

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



37.2980, 35.4769, 45.9582



66.2175, 61.4893, 82.8736



36.2530, 35.0588, 40.4548



8.8501, 8.6467, 10.7088



18.8865, 9.0722, 30.8920



0.5943, 0.2854, 0.9720

Previews

White Background



This preview shows how the XYZ color 34.6845, 40.2538, 36.5135 looks on a white background.

Color Contrast Check

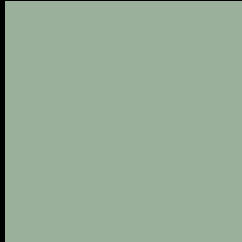
Large Text (above 18pt) WCAG AA × Fail

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 34.6845, 40.2538, 36.5135 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

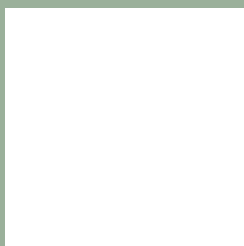
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.6845, 40.2538, 36.5135

Background



This preview shows how black text looks on a background with the XYZ color 34.6845, 40.2538, 36.5135.



This preview shows how white text looks on a background with the XYZ color 34.6845, 40.2538,

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

34.6845, 40.2538, 36.5135

Protanopia

37.9053, 39.9574, 34.9929

Deuteranopia

40.7621, 40.0276, 37.0302



Tritanopia

37.8076, 40.3788, 51.7001

Trichromacy



Original Color

34.6845, 40.2538, 36.5135

Protanomaly

36.7822, 40.2071, 35.5279

Deuteranomaly

38.2791, 39.8368, 36.6821

Tritanomaly

36.4882, 40.1112, 45.8635

Monochromacy



Original Color

34.6845, 40.2538, 36.5135

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

35.7966, 39.0395, 39.8311

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6845, 40.2538, 36.5135 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(154, 176, 154)` looks like.

```
.text, #text, p{  
    color:rgb(154, 176, 154)  
}
```

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(154, 176, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 176, 154) }
```

Border

The CSS property to change the border of an element to XYZ 34.6845, 40.2538, 36.5135 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(154, 176, 154) }
```


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

```
.border{ border-color:rgb(154, 176, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 176, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 176, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 176, 154);  
box-shadow:4px 4px 4px 4px rgb(154, 176,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6845, 40.2538, 36.5135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 176, 154) }
```

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

```
.background{ background-color: rgb(154,  
176, 154) }
```

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