

Converting Colors

XYZ(40.1485, 52.3291, 37.0293)

Have a look what the booklet for
XYZ(40.1485, 52.3291, 37.0293)
contains.

XYZ(40.2852, 52.5401, 36.8721)	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(40.2852, 52.5401,
36.8721)**

Conversions

Conversions Part 1

Format	Color
Hex	98CD96
RGB	152, 205, 150
RGB Percent	60%, 80%, 59%
CMY	0.4039, 0.1961, 0.4118
CMYK	0.26, 0.00, 0.27, 0.20
HSL	118°, 35%, 70%
HSV	118°, 27%, 80%
XYZ	40.2852, 52.5401, 36.8721
YIQ	182.8830, -13.9330, -28.3410

Conversions

Conversions Part 2

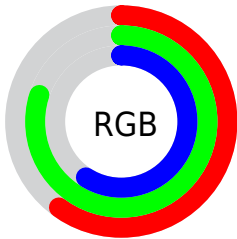
Format	Color
RYB	150, 205, 203
Decimal	10014102
CIELab	77.60, -27.88, 21.98
CIELCh	78, 35.500, 141.746
Yxy	52.5401, 0.3106, 0.4051
Android (android.graphics.Color)	4288204182 (0xFF98CD96)
YUV	182.8830, -16.2113, -27.0844
Hunter-Lab	72.4846, -27.6419, 20.5790

Details

The XYZ color **40.2852, 52.5401, 36.8721** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **46.5568, 38.9186, 62.8187**, and the grayscale version is **45.0383, 47.3838, 51.6009**.

A 20% lighter version of the original color is **72.3912, 89.1450, 70.5180**, and **18.3041, 25.3662, 15.7358** is the 20% darker color. If you saturate the color by 10%, you get **35.3824, 50.1885, 28.7665**, and if you desaturate by 10%, it is **46.0955, 55.3292, 46.5299**.

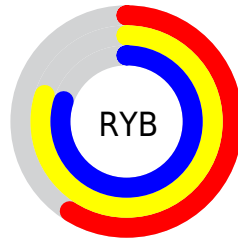
Distribution



Red (60%)

Green (80%)

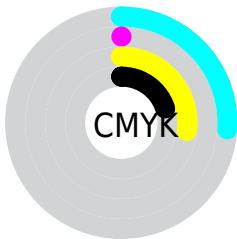
Blue (59%)



Red (59%)

Yellow (80%)

Blue (80%)

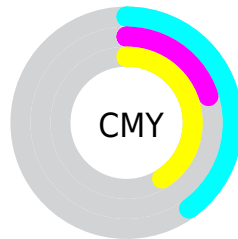


Cyan (26%)

Magenta (0%)

Yellow (27%)

Black (20%)



Cyan (40%)

Magenta (20%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2852, 52.5401, 36.8721 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 40.2852, 52.5401, 36.8721 by changing the saturation by 10% instead.

■ 40.2852, 52.5401,
36.8721

■ 40.2852, 52.5401,
36.8721

338.4380,
396.5182, 347.9085

■ 27.9462, 37.4358,
24.8135

■ 74.8792, 93.9273,
71.5602

■ 18.4253, 25.5451,
15.7204

■ 97.8649, 120.9789,
95.0267

■ 11.3573, 16.4836,
9.1743

125.1302,
152.7818, 123.1329

■ 6.3768, 9.8670,
4.7567

157.0404,
189.7202, 156.2973

■ 3.1183, 5.3109,
2.0490

193.9610,
232.1787, 194.9386

■ 1.2166, 2.4308,
0.5852

236.2572,

■ 0.1195, 0.8417,

280.5416, 239.4752

0.0000

284.2944,
335.1933, 290.3256

■ 0.0000, 0.0000,
0.0000

■ 40.2852, 52.5401,
36.8721

■ 40.2852, 52.5401,
36.8721

■ 35.3824, 50.1885,
28.7665

■ 46.0955, 55.3292,
46.5299

■ 31.3373, 48.2459,
22.1290

■ 52.8514, 58.5693,
57.8112

■ 28.1020, 46.6910,
16.8727

■ 60.5940, 62.2816,
70.7871

■ 25.6218, 45.4978,
12.9004

■ 69.3606, 66.4839,
85.5236

■ 23.8356, 44.6370,
10.1020

■ 79.1868, 71.1931,
102.0828

■ 22.6725, 44.0750,
8.3492

■ 81.1224, 72.1448,
104.2575

■ 22.0447, 43.7701,
7.4732

■ 21.9257, 43.7129,
7.2818

Harmonies

Analogous

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



45.2115, 52.5401, 28.8185



40.2852, 52.5401, 36.8721



37.9955, 52.5401, 51.9568

Triad

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



40.2852, 52.5401, 36.8721



48.0692, 52.5401, 103.2913



63.2095, 52.5401, 44.3294

Complementary

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



40.2852, 52.5401, 36.8721



46.5568, 38.9186, 62.8187

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.



64.1520, 52.5401, 62.8000



40.2852, 52.5401, 36.8721



54.9825, 52.5401, 99.9249

Square

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



40.2852, 52.5401, 36.8721



42.2128, 52.5401, 92.2684



61.0208, 52.5401, 83.9092



58.5520, 52.5401, 32.3878

Rectangle

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



40.2852, 52.5401, 36.8721



38.1118, 52.5401, 65.2417



61.0208, 52.5401, 83.9092



63.9873, 52.5401, 49.8610

Sweetspot

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



40.2866, 52.5423, 36.8733



85.0714, 95.2154, 92.1893



51.8635, 57.5424, 37.2282



17.8326, 20.1996, 19.1034



0.0000, 0.0000, 0.0000



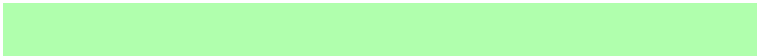
20.3446, 21.4041, 23.3091

Same Dimension

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



40.2866, 52.5423, 36.8733



61.3288, 83.8254, 52.6860



42.1240, 53.2345, 48.4855



11.1051, 12.5561, 11.9177



13.6662, 27.2205, 4.5338



0.7185, 1.4112, 0.2345

Inverse Universe

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



46.5568, 38.9186, 62.8187



73.2278, 57.9627, 101.9361



44.3488, 38.0987, 48.3318



11.6457, 11.3822, 14.1536



21.3026, 10.1894, 36.8003



1.1118, 0.5323, 1.8991

Previews

White Background



This preview shows how the XYZ color 40.2852, 52.5401, 36.8721 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 40.2852, 52.5401, 36.8721 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 40.2852, 52.5401, 36.8721

Background



This preview shows how black text looks on a background with the XYZ color 40.2852, 52.5401, 36.8721.



This preview shows how white text looks on a background with the XYZ color 40.2852, 52.5401,

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

40.2852, 52.5401, 36.8721

Protanopia

48.8417, 52.2544, 33.8974

Deuteranopia

53.1811, 52.1771, 38.2786



Tritanopia

47.0808, 52.5231, 70.6073

Trichromacy



Original Color

40.2852, 52.5401, 36.8721

Protanomaly

45.1779, 51.9943, 34.8489

Deuteranomaly

47.6254, 51.8695, 37.6387

Tritanomaly

44.2466, 52.3972, 56.4968

Monochromacy



Original Color

40.2852, 52.5401, 36.8721

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

42.9947, 48.9725, 45.7147

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2852, 52.5401, 36.8721 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(152, 205, 150)` looks like.

```
.text, #text, p{  
    color:rgb(152, 205, 150)  
}
```

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(152, 205, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 205, 150) }
```

Border

The CSS property to change the border of an element to XYZ 40.2852, 52.5401, 36.8721 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(152, 205, 150) }
```


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

```
.border{ border-color:rgb(152, 205, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 205, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 205, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 205, 150);  
box-shadow:4px 4px 4px 4px rgb(152, 205,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2852, 52.5401, 36.8721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 205, 150) }
```

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

```
.background{ background-color: rgb(152,  
205, 150) }
```

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