

Converting Colors

XYZ(40.8133, 52.8669, 34.4402)

Have a look what the booklet for
XYZ(40.8133, 52.8669, 34.4402)
contains.

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Color

**XYZ(40.7700, 52.8444,
34.4367)**

Conversions

Conversions Part 1

Format	Color
Hex	9DCD90
RGB	157, 205, 144
RGB Percent	62%, 80%, 56%
CMY	0.3843, 0.1961, 0.4353
CMYK	0.23, 0.00, 0.30, 0.20
HSL	107°, 38%, 68%
HSV	107°, 30%, 80%
XYZ	40.7700, 52.8444, 34.4367
YIQ	183.6940, -9.0270, -29.1470

Conversions

Conversions Part 2

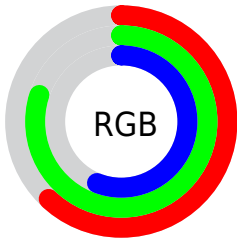
Format	Color
RYB	144, 205, 192
Decimal	10341776
CIELab	77.78, -27.15, 25.43
CIELCh	78, 37.202, 136.878
Yxy	52.8444, 0.3184, 0.4127
Android (android.graphics.Color)	4288531856 (0xFF9DCD90)
YUV	183.6940, -19.5691, -23.4106
Hunter-Lab	72.6942, -27.1043, 22.7990

Details

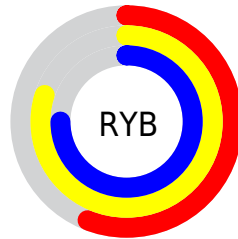
The XYZ color **40.7700, 52.8444, 34.4367** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **42.7332, 35.5623, 62.3724**, and the grayscale version is **45.5004, 47.8699, 52.1304**.

A 20% lighter version of the original color is **73.1044, 89.5943, 66.8665**, and **18.7513, 25.8666, 14.3604** is the 20% darker color. If you saturate the color by 10%, you get **36.4012, 50.7587, 26.7827**, and if you desaturate by 10%, it is **45.8417, 55.2627, 43.6109**.

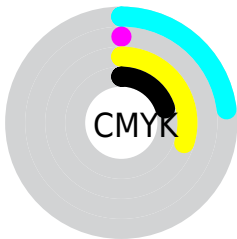
Distribution



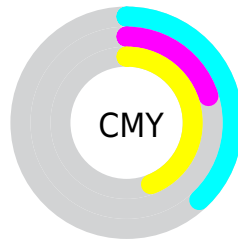
- Red (62%)
- Green (80%)
- Blue (56%)



- Red (56%)
- Yellow (80%)
- Blue (75%)



- Cyan (23%)
- Magenta (0%)
- Yellow (30%)
- Black (20%)



- Cyan (38%)
- Magenta (20%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7700, 52.8444, 34.4367 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 40.7700, 52.8444, 34.4367 by changing the saturation by 10% instead.

■ 40.7700, 52.8444,
34.4367

■ 40.7700, 52.8444,
34.4367

340.4374,
397.6879, 336.9033

■ 28.3263, 37.6786,
22.9492

■ 75.6115, 94.3754,
67.7538

■ 18.7135, 25.7333,
14.3511

■ 98.7401, 121.5093,
90.4206

■ 11.5662, 16.6242,
8.2237

126.1609,
153.4014, 117.6508

■ 6.5191, 9.9669,
4.1486

158.2395,
190.4360, 149.8631

■ 3.2069, 5.3770,
1.7072

195.3410,
232.9976, 187.4759

■ 1.2641, 2.4701,
0.3657

237.8310,

■ 0.1561, 0.8616,

281.4705, 230.9079

0.0000

286.0747,
336.2391, 280.5775

■ 0.0000, 0.0000,
0.0000

■ 40.7700, 52.8444,
34.4367

■ 40.7700, 52.8444,
34.4367

■ 36.4012, 50.7587,
26.7827

■ 45.8417, 55.2627,
43.6109

■ 32.6997, 48.9843,
20.5637

■ 51.6417, 58.0204,
54.3777

■ 29.6326, 47.5078,
15.6910

■ 58.1992, 61.1326,
66.8090

■ 27.1629, 46.3123,
12.0650

■ 65.5405, 64.6113,
80.9710

■ 25.2490, 45.3789,
9.5721

■ 73.6907, 68.4682,
96.9268

■ 23.8438, 44.6861,
8.0780

■ 80.6798, 71.9167,
104.2368

■ 22.8771, 44.2031,
7.3406

■ 81.1224, 72.1448,
104.2575

■ 22.8576, 44.1933,
7.3254

Harmonies

Analogous

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



46.3076, 52.8444, 27.2874



40.7700, 52.8444, 34.4367



37.8961, 52.8444, 48.9847

Triad

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



40.7700, 52.8444, 34.4367



47.1440, 52.8444, 105.5304



64.7000, 52.8444, 46.7613

Complementary

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



40.7700, 52.8444, 34.4367



42.7332, 35.5623, 62.3724

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.



64.9789, 52.8444, 67.0344



40.7700, 52.8444, 34.4367



54.3616, 52.8444, 104.5244

Square

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



40.7700, 52.8444, 34.4367



41.3317, 52.8444, 91.6668



61.0438, 52.8444, 89.1795



60.3150, 52.8444, 33.1463

Rectangle

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



40.7700, 52.8444, 34.4367



37.6791, 52.8444, 62.4266



61.0438, 52.8444, 89.1795



65.2908, 52.8444, 52.9126

Sweetspot

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



40.7714, 52.8467, 34.4379



85.2377, 95.3433, 90.2918



49.0152, 52.5994, 33.9556



17.9258, 20.2561, 18.7284



0.0000, 0.0000, 0.0000



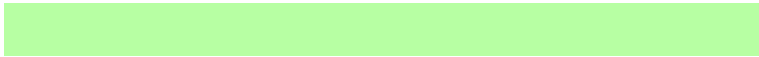
20.3446, 21.4041, 23.3091

Same Dimension

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



40.7714, 52.8467, 34.4379



61.8605, 84.2096, 47.7380



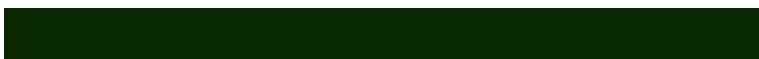
39.7926, 52.1776, 41.8246



11.2878, 12.6502, 11.9262



14.2948, 27.5446, 4.5632



0.8032, 1.4549, 0.2385

Inverse Universe

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



42.7332, 35.5623, 62.3724



65.5887, 51.2224, 101.0378



44.1986, 36.5457, 52.1436



11.4445, 11.2784, 14.1441



16.1322, 7.5240, 36.5583



0.8922, 0.4191, 1.8888

Previews

White Background



This preview shows how the XYZ color 40.7700, 52.8444, 34.4367 looks on a white background.

Color Contrast Check

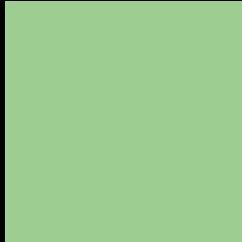
Large Text (above 18pt) WCAG AA × Fail

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 40.7700, 52.8444, 34.4367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

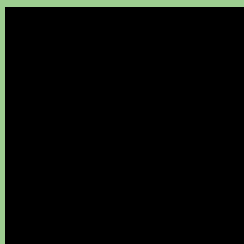
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

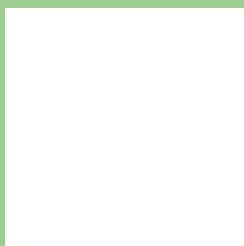
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.7700, 52.8444, 34.4367

Background



This preview shows how black text looks on a background with the XYZ color 40.7700, 52.8444, 34.4367.



This preview shows how white text looks on a background with the XYZ color 40.7700, 52.8444,

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

40.7700, 52.8444, 34.4367

Protanopia

48.6718, 52.2184, 31.5586

Deuteranopia

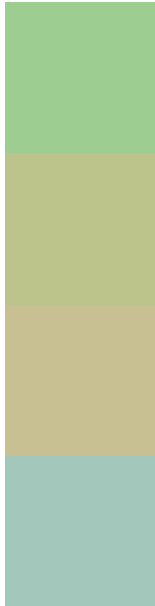
53.6166, 52.4585, 35.7334



Tritanopia

47.7720, 52.5582, 69.9142

Trichromacy



Original Color

40.7700, 52.8444, 34.4367

Protanomaly

45.2126, 52.0647, 32.4775

Deuteranomaly

47.9355, 52.0852, 35.1307

Tritanomaly

44.7029, 52.3272, 54.7578

Monochromacy



Original Color

40.7700, 52.8444, 34.4367

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

43.4666, 49.5625, 44.8117

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7700, 52.8444, 34.4367 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(157, 205, 144)` looks like.

```
.text, #text, p{  
    color:rgb(157, 205, 144)  
}
```

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(157, 205, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 205, 144) }
```

Border

The CSS property to change the border of an element to XYZ 40.7700, 52.8444, 34.4367 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(157, 205, 144) }
```


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

```
.border{ border-color:rgb(157, 205, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 205, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 205, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 205, 144);  
box-shadow:4px 4px 4px 4px rgb(157, 205,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7700, 52.8444, 34.4367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 205, 144) }
```

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

```
.background{ background-color: rgb(157,  
205, 144) }
```

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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