

Converting Colors

XYZ(40.9676, 54.2477, 32.4750)

Have a look what the booklet for
XYZ(40.9676, 54.2477, 32.4750)
contains.

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Color

**XYZ(40.8536, 54.0146,
32.3174)**

Conversions

Conversions Part 1

Format	Color
Hex	9CD08A
RGB	156, 208, 138
RGB Percent	61%, 82%, 54%
CMY	0.3882, 0.1843, 0.4588
CMYK	0.25, 0.00, 0.34, 0.18
HSL	105°, 43%, 68%
HSV	105°, 34%, 82%
XYZ	40.8536, 54.0146, 32.3174
YIQ	184.4720, -8.5220, -32.7940

Conversions

Conversions Part 2

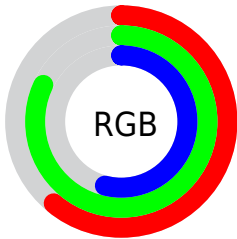
Format	Color
RYB	138, 208, 190
Decimal	10277002
CIELab	78.47, -29.86, 29.47
CIELCh	78, 41.952, 135.375
Yxy	54.0146, 0.3212, 0.4247
Android (android.graphics.Color)	4288467082 (0xFF9CD08A)
YUV	184.4720, -22.9107, -24.9699
Hunter-Lab	73.4946, -29.3925, 25.3750

Details

The XYZ color **40.8536, 54.0146, 32.3174** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **41.7111, 33.6797, 63.9798**, and the grayscale version is **45.9485, 48.3414, 52.6438**.

A 20% lighter version of the original color is **72.4258, 89.3228, 63.2930**, and **18.7051, 26.3542, 13.1178** is the 20% darker color. If you saturate the color by 10%, you get **36.6876, 52.0262, 25.0003**, and if you desaturate by 10%, it is **45.6913, 56.3191, 41.1736**.

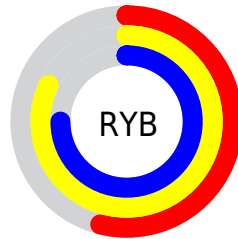
Distribution



Red (61%)

Green (82%)

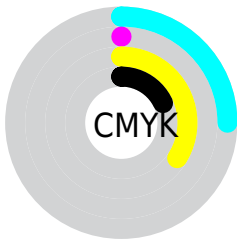
Blue (54%)



Red (54%)

Yellow (82%)

Blue (75%)

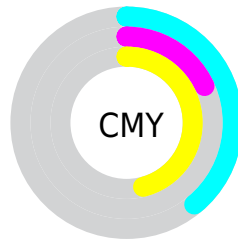


Cyan (25%)

Magenta (0%)

Yellow (34%)

Black (18%)



Cyan (39%)


Magenta (18%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.8536, 54.0146, 32.3174 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 40.8536, 54.0146, 32.3174 by changing the saturation by 10% instead.


 40.8536, 54.0146,
32.3174


 40.8536, 54.0146,
32.3174


340.7814,
402.1657, 327.0998


 28.3919, 38.6133,
21.3372


 75.7377, 96.0957,
64.4120

 18.7632, 26.4591,
13.1771

 98.8908, 123.5443,
86.3635

 11.6023, 17.1674,
7.4184


 126.3384,
155.7775, 112.8093

 6.5438, 10.3539,
3.6428

158.4459,
193.1796, 144.1677

 3.2222, 5.6342,
1.4315

195.5786,
236.1351, 180.8575

 1.2723, 2.6240,
0.1661

238.1018,

 0.1624, 0.9387,

285.0283, 223.2970

0.0000

286.3810,
340.2437, 271.9049

■ 0.0000, 0.0000,
0.0000

■ 40.8536, 54.0146,
32.3174

■ 40.8536, 54.0146,
32.3174

■ 36.6876, 52.0262,
25.0003

■ 45.6913, 56.3191,
41.1736

■ 33.1583, 50.3330,
19.1311

■ 51.2251, 58.9459,
51.6461

■ 30.2338, 48.9223,
14.6144


■ 57.4835, 61.9094,
63.8111


■ 27.8775, 47.7776,
11.3421


■ 64.4920, 65.2214,
77.7390


■ 26.0485, 46.8805,
9.1893

■ 72.2746, 68.8928,
93.4962

 24.6991, 46.2097,
8.0051

 79.5723, 72.4213,
104.3925

 24.0506, 45.8839,
7.5889

 81.8469, 73.5939,
104.4990

Harmonies

Analogous

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



47.2459, 54.0146, 24.9761



40.8536, 54.0146, 32.3174



37.4653, 54.0146, 48.0687

Triad

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



40.8536, 54.0146, 32.3174



47.4362, 54.0146, 114.6537



68.2094, 54.0146, 47.5676

Complementary

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



40.8536, 54.0146, 32.3174



41.7111, 33.6797, 63.9798

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.



68.2744, 54.0146, 71.0490



40.8536, 54.0146, 32.3174



55.6625, 54.0146, 114.4133

Square

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



40.8536, 54.0146, 32.3174



40.9800, 54.0146, 97.4479



63.4811, 54.0146, 96.8595



63.3119, 54.0146, 32.0357

Rectangle

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



40.8536, 54.0146, 32.3174



37.1063, 54.0146, 63.1735



63.4811, 54.0146, 96.8595



68.8132, 54.0146, 54.6573

Sweetspot

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



40.8550, 54.0169, 32.3186



84.5836, 95.0476, 88.3833



48.8715, 51.7860, 31.4654



17.8102, 20.2047, 18.3489



0.0000, 0.0000, 0.0000



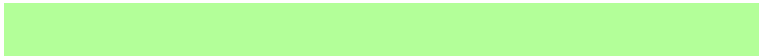
20.3446, 21.4041, 23.3091

Same Dimension

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



40.8550, 54.0169, 32.3186



60.1524, 83.4305, 43.0703



38.8993, 52.8617, 38.8719



11.9372, 13.3511, 12.5599



15.0658, 28.6357, 4.7332



0.9174, 1.6398, 0.2682

Inverse Universe

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



41.7111, 33.6797, 63.9798



61.6824, 46.6234, 100.3559



44.5804, 35.3793, 54.1572



12.0017, 11.8497, 14.8983



15.5574, 7.2004, 37.7623



0.9413, 0.4394, 2.1148

Previews

White Background



This preview shows how the XYZ color 40.8536, 54.0146, 32.3174 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 40.8536, 54.0146, 32.3174 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 40.8536, 54.0146, 32.3174

Background



This preview shows how black text looks on a background with the XYZ color 40.8536, 54.0146, 32.3174.



This preview shows how white text looks on a background with the XYZ color 40.8536, 54.0146,

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

40.8536, 54.0146, 32.3174

Protanopia

49.5293, 53.3612, 29.5191

Deuteranopia

54.6200, 53.3391, 33.4033



Tritanopia

48.9232, 54.1369, 71.4893

Trichromacy



Original Color

40.8536, 54.0146, 32.3174

Protanomaly

45.7324, 53.0565, 30.3848

Deuteranomaly

48.2348, 52.6196, 32.8136

Tritanomaly

45.2933, 53.6787, 54.4282

Monochromacy



Original Color

40.8536, 54.0146, 32.3174

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

43.5006, 49.9286, 43.9037

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8536, 54.0146, 32.3174 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(156, 208, 138)` looks like.

```
.text, #text, p{  
    color:rgb(156, 208, 138)  
}
```

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(156, 208, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 208, 138) }
```

Border

The CSS property to change the border of an element to XYZ 40.8536, 54.0146, 32.3174 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(156, 208, 138) }
```


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

```
.border{ border-color:rgb(156, 208, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 208, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 208, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 208, 138);  
box-shadow:4px 4px 4px 4px rgb(156, 208,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8536, 54.0146, 32.3174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 208, 138) }
```

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

```
.background{ background-color: rgb(156,  
208, 138) }
```

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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