

Converting Colors

XYZ(40.5498, 48.3404, 32.0047)

Have a look what the booklet for
XYZ(40.5498, 48.3404, 32.0047)
contains.

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Color

**XYZ(40.5965, 48.3634,
32.0063)**

Conversions

Conversions Part 1

Format	Color
Hex	ACC08C
RGB	172, 192, 140
RGB Percent	67%, 75%, 55%
CMY	0.3255, 0.2470, 0.4510
CMYK	0.10, 0.00, 0.27, 0.25
HSL	83°, 29%, 65%
HSV	83°, 27%, 75%
XYZ	40.5965, 48.3634, 32.0063
YIQ	180.0920, 4.7720, -20.4120

Conversions

Conversions Part 2

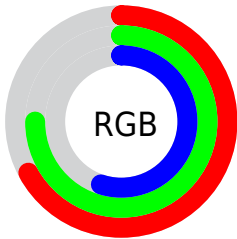
Format	Color
RYB	140, 192, 160
Decimal	11321484
CIELab	75.05, -15.92, 24.01
CIElCh	75, 28.809, 123.556
Yxy	48.3634, 0.3356, 0.3998
Android (android.graphics.Color)	4289511564 (0xFFACC08C)
YUV	180.0920, -19.7654, -7.0967
Hunter-Lab	69.5438, -17.5015, 21.3935

Details

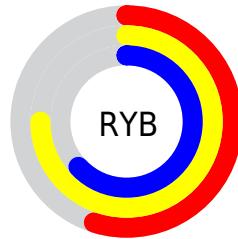
The XYZ color **40.5965, 48.3634, 32.0063** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **33.3917, 30.0368, 53.9096**, and the grayscale version is **43.5339, 45.8011, 49.8774**.

A 20% lighter version of the original color is **75.2999, 87.5238, 63.9640**, and **18.6435, 23.1084, 12.9290** is the 20% darker color. If you saturate the color by 10%, you get **37.7266, 47.0350, 25.1156**, and if you desaturate by 10%, it is **43.8061, 49.8414, 40.2045**.

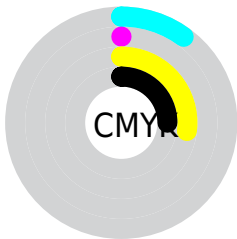
Distribution



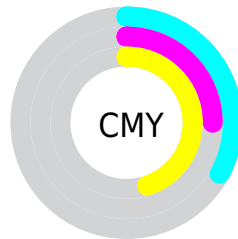
- Red (67%)
- Green (75%)
- Blue (55%)



- Red (55%)
- Yellow (75%)
- Blue (63%)



- Cyan (10%)
- Magenta (0%)
- Yellow (27%)
- Black (25%)





- Cyan (33%)
- Magenta (25%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.5965, 48.3634, 32.0063 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 40.5965, 48.3634, 32.0063 by changing the saturation by 10% instead.


 40.5965, 48.3634,
32.0063


 40.5965, 48.3634,
32.0063


339.7228,
380.2308, 325.6416


 28.1902, 34.1148,
21.1015


 75.3496, 87.7452,
63.9190

 18.6103, 22.9818,
13.0062


 98.4271, 113.6472,
85.7639

 11.4913, 14.5800,
7.3020


 125.7923,
144.2024, 112.0926

 6.4681, 8.5252,
3.5704

157.8107,
179.7952, 143.3236

 3.1751, 4.4328,
1.3928

194.8476,
220.8101, 179.8755

 1.2470, 1.9185,
0.1361

237.2684,

 0.1430, 0.5595,

267.6314, 222.1667

0.0000

285.4383,
320.6435, 270.6159

■ 0.0000, 0.0000,
0.0000

■ 40.5965, 48.3634,
32.0063

■ 40.5965, 48.3634,
32.0063

■ 37.7266, 47.0350,
25.1156

■ 43.8061, 49.8414,
40.2045

■ 35.1784, 45.8438,
19.4615

■ 47.3649, 51.4680,
49.7696

■ 32.9376, 44.7857,
14.9713

■ 51.2867, 53.2505,
60.7616

■ 30.9873, 43.8537,
11.5634

■ 55.5835, 55.1939,
73.2357

■ 29.3083, 43.0399,
9.1456

■ 60.2663, 57.3028,
87.2441

■ 27.8787, 42.3354,
7.6106

■ 65.3131, 59.5684,
102.6632

■ 26.6686, 41.7281,
6.8095

■ 67.5489, 60.7211,
102.7679

■ 26.3416, 41.5630,
6.6341

■ 69.8841, 61.9249,
102.8772

■ 72.3199, 63.1806,
102.9911

Harmonies

Analogous

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



45.3430, 48.3634, 28.7005



40.5965, 48.3634, 32.0063



37.4869, 48.3634, 40.7755

Triad

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



40.5965, 48.3634, 32.0063



41.6058, 48.3634, 83.1160



56.8296, 48.3634, 50.8818

Complementary

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



40.5965, 48.3634, 32.0063



33.3917, 30.0368, 53.9096

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.



55.6404, 48.3634, 66.6537



40.5965, 48.3634, 32.0063



46.5987, 48.3634, 87.2181

Square

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



40.5965, 48.3634, 32.0063



38.0376, 48.3634, 70.3649



51.7935, 48.3634, 80.7022



54.9304, 48.3634, 38.2052

Rectangle

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



40.5965, 48.3634, 32.0063



36.6249, 48.3634, 49.4724



51.7935, 48.3634, 80.7022



56.7784, 48.3634, 55.9807

Sweetspot

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



40.5977, 48.3655, 32.0073



85.1145, 92.9314, 88.2467



39.0329, 38.2201, 30.1315



18.0430, 19.8379, 18.3405



92.9021, 97.7402, 106.4391



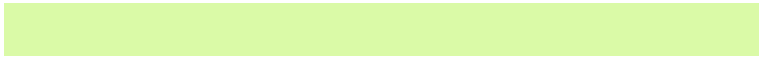
19.4759, 20.4902, 22.3138

Same Dimension

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



40.5977, 48.3655, 32.0073



70.1361, 86.0479, 49.6818



35.4507, 45.7121, 31.7665



10.5260, 11.5586, 10.7381



17.8132, 28.0119, 4.4680



0.8447, 1.2490, 0.1966

Inverse Universe

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



33.3917, 30.0368, 53.9096



54.7324, 46.8557, 96.5196



39.1278, 32.9939, 54.1781



9.8865, 9.9326, 12.6809



8.3762, 3.5785, 33.8059



0.4390, 0.1943, 1.4643

Previews

White Background



This preview shows how the XYZ color 40.5965, 48.3634, 32.0063 looks on a white background.

Color Contrast Check

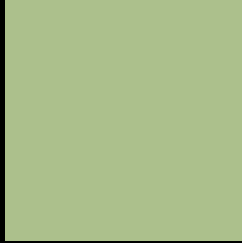
Large Text (above 18pt) WCAG AA × Fail

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 40.5965, 48.3634, 32.0063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

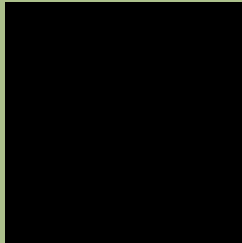
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.5965, 48.3634, 32.0063

Background



This preview shows how black text looks on a background with the XYZ color 40.5965, 48.3634, 32.0063.



This preview shows how white text looks on a background with the XYZ color 40.5965, 48.3634,

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

40.5965, 48.3634, 32.0063

Protanopia

44.9445, 48.0929, 30.5809

Deuteranopia

48.9990, 48.0264, 32.6741



Tritanopia

46.2717, 48.1078, 60.8798

Trichromacy



Original Color

40.5965, 48.3634, 32.0063

Protanomaly

43.3440, 48.1944, 31.0627

Deuteranomaly

45.4299, 47.6883, 32.4015

Tritanomaly

43.9377, 48.1021, 49.0884

Monochromacy



Original Color

40.5965, 48.3634, 32.0063

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

42.0635, 46.3447, 42.3257

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5965, 48.3634, 32.0063 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(172, 192, 140)` looks like.

```
.text, #text, p{  
    color:rgb(172, 192, 140)  
}
```

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(172, 192, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 192, 140) }
```

Border

The CSS property to change the border of an element to XYZ 40.5965, 48.3634, 32.0063 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(172, 192, 140) }
```


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

```
.border{ border-color:rgb(172, 192, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 192, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 192, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 192, 140);  
box-shadow:4px 4px 4px 4px rgb(172, 192,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5965, 48.3634, 32.0063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 192, 140) }
```

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

```
.background{ background-color: rgb(172,  
192, 140) }
```

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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