

Converting Colors

XYZ(52.4436, 59.1505, 39.8922)

Have a look what the booklet for
XYZ(52.4436, 59.1505, 39.8922)
contains.

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Color

**XYZ(52.4292, 59.0995,
40.0965)**

Conversions

Conversions Part 1

Format	Color
Hex	CACE9C
RGB	202, 206, 156
RGB Percent	79%, 81%, 61%
CMY	0.2078, 0.1921, 0.3882
CMYK	0.02, 0.00, 0.24, 0.19
HSL	65°, 34%, 71%
HSV	65°, 24%, 81%
XYZ	52.4292, 59.0995, 40.0965
YIQ	199.1040, 13.6660, -16.3980

Conversions

Conversions Part 2

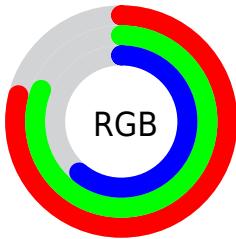
Format	Color
RYB	156, 206, 160
Decimal	13291164
CIELab	81.35, -9.54, 24.48
CIELCh	81, 26.275, 111.278
Yxy	59.0995, 0.3458, 0.3898
Android (android.graphics.Color)	4291481244 (0xFFCACE9C)
YUV	199.1040, -21.2503, 2.5398
Hunter-Lab	76.8762, -12.7972, 22.8893

Details

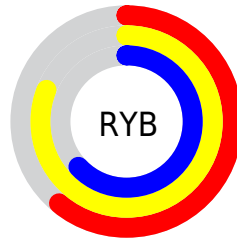
The XYZ color **52.4292, 59.0995, 40.0965** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.5285, 35.7083, 63.3103**, and the grayscale version is **54.4712, 57.3079, 62.4083**.

A 20% lighter version of the original color is **88.7579, 97.4831, 75.7661**, and **25.7595, 29.6590, 17.4638** is the 20% darker color. If you saturate the color by 10%, you get **50.3872, 58.2334, 31.6546**, and if you desaturate by 10%, it is **54.7749, 60.0917, 50.0994**.

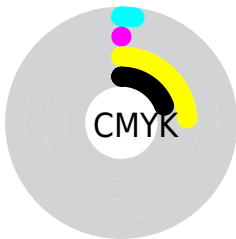
Distribution



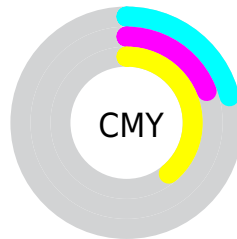
- Red (79%)
- Green (81%)
- Blue (61%)



- Red (61%)
- Yellow (81%)
- Blue (63%)



- Cyan (2%)
- Magenta (0%)
- Yellow (24%)
- Black (19%)





- Cyan (21%)
- Magenta (19%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.4292, 59.0995, 40.0965 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 52.4292, 59.0995, 40.0965 by changing the saturation by 10% instead.


 52.4292, 59.0995,
40.0965


 52.4292, 59.0995,
40.0965


386.3881,
421.2705, 362.0943

 37.5729, 42.6932,
27.2994


 92.9344, 103.5223,
76.5491

 25.8271, 29.6445,
17.5638


 119.3140,
132.3075, 101.0418

 16.8263, 19.5689,
10.4711


150.2655,
165.9879, 130.2700

 10.2053, 12.0821,
5.6027

186.1542,
204.9478, 164.6524

 5.5986, 6.7996,
2.5402

227.3455,
249.5717, 204.6075

 2.6409, 3.3371,
0.8614

274.2047,

 0.9668, 1.3101,

300.2438, 250.5538

0.0000

327.0971,
357.3486, 302.9099

■ 0.0000, 0.1490,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 52.4292, 59.0995,
40.0965

■ 52.4292, 59.0995,
40.0965

■ 50.3872, 58.2334,
31.6546

■ 54.7749, 60.0917,
50.0994

■ 48.6295, 57.4796,
24.6912

■ 57.4336, 61.2076,
61.7324

■ 47.1412, 56.8341,
19.1223

■ 60.4199, 62.4550,
75.0654

■ 45.9046, 56.2898,
14.8537

■ 63.7461, 63.8390,
90.1628

■ 44.8994, 55.8386,
11.7795

■ 66.7721, 65.1035,
103.6547

■ 44.1026, 55.4713,
9.7777

■ 67.2451, 65.3473,
103.6768

■ 43.4858, 55.1765,
8.6996

■ 67.7229, 65.5936,
103.6992

■ 43.1847, 55.0288,
8.3456

■ 68.2056, 65.8425,
103.7218

■ 68.6931, 66.0938,
103.7446

Harmonies

Analogous

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



57.7876, 59.0995, 38.8613



52.4292, 59.0995, 40.0965



48.3350, 59.0995, 47.2356

Triad

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



52.4292, 59.0995, 40.0965



49.8266, 59.0995, 90.9249



67.2616, 59.0995, 69.0415

Complementary

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



52.4292, 59.0995, 40.0965



37.5285, 35.7083, 63.3103

Split Complementary

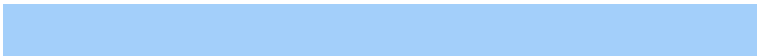
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



64.8140, 59.0995, 85.1656



52.4292, 59.0995, 40.0965



54.5873, 59.0995, 99.0819

Square

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



52.4292, 59.0995, 40.0965



46.9019, 59.0995, 75.9515



60.0894, 59.0995, 96.8182



66.5903, 59.0995, 53.9933

Rectangle

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



52.4292, 59.0995, 40.0965



46.7592, 59.0995, 55.1284



60.0894, 59.0995, 96.8182



66.7708, 59.0995, 74.5450

Sweetspot

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



52.4307, 59.1021, 40.0978



91.7840, 98.6331, 94.4363



43.9119, 40.4347, 36.9436



19.5879, 21.0874, 19.9601



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.



52.4307, 59.1021, 40.0978



83.2001, 95.0122, 57.6970



46.3579, 55.9715, 39.8136



12.0618, 13.0492, 11.9625



26.6288, 33.9030, 5.1404



1.4006, 1.7629, 0.2664

Inverse Universe

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



37.5285, 35.7083, 63.3103



55.0709, 50.8494, 101.5201



42.8780, 38.4661, 63.5606



10.6836, 10.8862, 14.1085



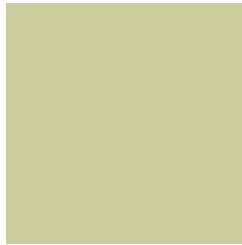
7.0301, 2.8317, 36.1323



0.3922, 0.1613, 1.8654

Previews

White Background



This preview shows how the XYZ color 52.4292, 59.0995, 40.0965 looks on a white background.

Color Contrast Check

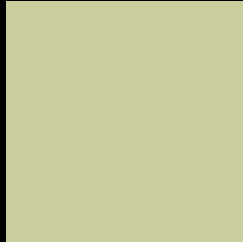
Large Text (above 18pt) WCAG AA × Fail

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 52.4292, 59.0995, 40.0965 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

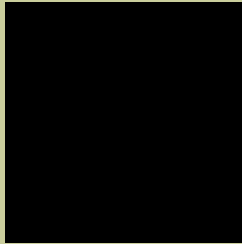
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

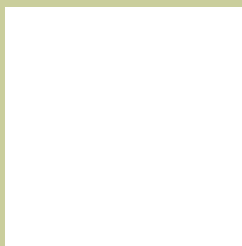
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.4292, 59.0995, 40.0965

Background



This preview shows how black text looks on a background with the XYZ color 52.4292, 59.0995, 40.0965.



This preview shows how white text looks on a background with the XYZ color 52.4292, 59.0995,

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

52.4292, 59.0995, 40.0965

Protanopia

55.2722, 59.1731, 39.0802

Deuteranopia

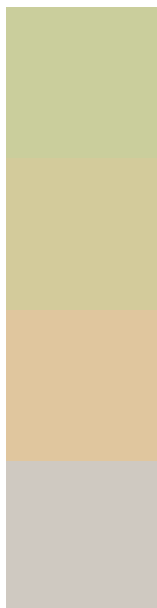
60.1419, 58.9196, 41.0037



Tritanopia

58.9100, 58.9448, 71.8909

Trichromacy



Original Color

52.4292, 59.0995, 40.0965

Protanomaly

54.1363, 58.9273, 39.5312

Deuteranomaly

57.1061, 58.7041, 40.6690

Tritanomaly

56.2444, 58.8889, 58.8544

Monochromacy



Original Color

52.4292, 59.0995, 40.0965

Achromatopsia

54.2854, 57.1125, 62.1955

Achromatomaly

53.4872, 57.9393, 53.1641

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.4292, 59.0995, 40.0965 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(202, 206, 156)` looks like.

```
.text, #text, p{  
    color:rgb(202, 206, 156)  
}
```

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(202, 206, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 206, 156) }
```

Border

The CSS property to change the border of an element to XYZ 52.4292, 59.0995, 40.0965 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(202, 206, 156) }
```


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

```
.border{ border-color:rgb(202, 206, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 206, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 206, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 206, 156);  
box-shadow:4px 4px 4px 4px rgb(202, 206,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 52.4292, 59.0995, 40.0965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 206, 156) }
```

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

```
.background{ background-color: rgb(202,  
206, 156) }
```

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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