

Converting Colors

XYZ(40.5651, 40.5800, 18.4680)

Have a look what the booklet for
XYZ(40.5651, 40.5800, 18.4680)
contains.

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Color

**XYZ(40.5319, 40.5860,
18.5296)**

Conversions

Conversions Part 1

Format	Color
Hex	CBA567
RGB	203, 165, 103
RGB Percent	80%, 65%, 40%
CMY	0.2039, 0.3529, 0.5961
CMYK	0.00, 0.19, 0.49, 0.20
HSL	37°, 49%, 60%
HSV	37°, 49%, 80%
XYZ	40.5319, 40.5860, 18.5296
YIQ	169.2940, 42.5500, -11.2260

Conversions

Conversions Part 2

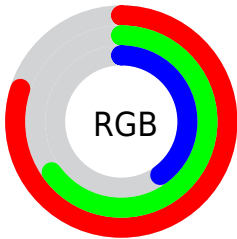
Format	Color
RYB	164, 203, 103
Decimal	13346151
CIELab	69.88, 6.15, 37.25
CIElCh	70, 37.750, 80.617
Yxy	40.5860, 0.4068, 0.4073
Android (android.graphics.Color)	4291536231 (0xFFCBA567)
YUV	169.2940, -32.6829, 29.5602
Hunter-Lab	63.7071, 2.0782, 27.3502

Details

The XYZ color **40.5319, 40.5860, 18.5296** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **25.8976, 26.2442, 60.2004**, and the grayscale version is **38.0006, 39.9796, 43.5378**.

A 20% lighter version of the original color is **72.7496, 74.8130, 41.6164**, and **18.6036, 18.2796, 6.0378** is the 20% darker color. If you saturate the color by 10%, you get **38.2848, 37.5293, 13.3495**, and if you desaturate by 10%, it is **43.1122, 43.9133, 25.0420**.

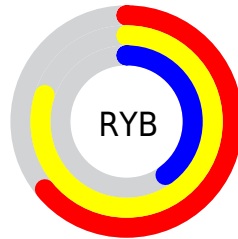
Distribution



Red (80%)

Green (65%)

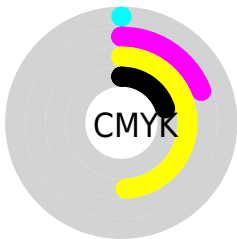
Blue (40%)



Red (64%)

Yellow (80%)

Blue (40%)

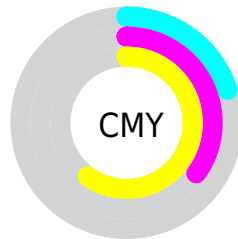


Cyan (0%)

Magenta (19%)

Yellow (49%)

Black (20%)



Cyan (20%)

Magenta (35%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5319, 40.5860, 18.5296 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 40.5319, 40.5860, 18.5296 by changing the saturation by 10% instead.

40.5319, 40.5860,
18.5296

40.5319, 40.5860,
18.5296

339.4565,
348.5873, 256.1750

28.1396, 27.9957,
11.1575

75.2520, 76.0550,
41.7638

18.5719, 18.3224,
6.0574

98.3105, 99.7026,
58.4629

11.4635, 11.1817,
2.8106

125.6550,
127.8047, 79.1082

6.4491, 6.1892,
0.9988

157.6510,
160.7457, 104.1181

3.1633, 2.9605,
0.0000

194.6638,
198.9101, 133.9112

1.2407, 1.1111,
0.0000

237.0587,

0.1381, 0.0000,

242.6823, 168.9060

0.0000

285.2012,
292.4465, 209.5211

■ 0.0000, 0.0000,
0.0000

■ 40.5319, 40.5860,
18.5296

■ 40.5319, 40.5860,
18.5296

■ 38.2848, 37.5293,
13.3495

■ 43.1122, 43.9133,
25.0420

■ 36.3484, 34.7273,
9.4027

■ 46.0407, 47.5149,
32.9710

■ 34.7014, 32.1705,
6.5806

■ 49.3346, 51.4014,
42.3968

■ 33.3177, 29.8462,
4.7539

■ 53.0092, 55.5812,
53.3928

■ 32.1540, 27.7342,
3.7017

■ 57.0788, 60.0620,
66.0276

■ 32.0727, 27.5848,
3.6340

■ 61.5569, 64.8514,
80.3657

■ 66.4561, 69.9565,
96.4680

■ 70.0683, 74.6959,
105.3325

■ 72.2218, 79.0031,
106.0504

Harmonies

Analogous

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



46.5586, 40.5860, 22.8774



40.5319, 40.5860, 18.5296



34.5677, 40.5860, 19.5056

Triad

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



40.5319, 40.5860, 18.5296



28.5510, 40.5860, 57.1926



48.4351, 40.5860, 69.2919

Complementary

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



40.5319, 40.5860, 18.5296



25.8976, 26.2442, 60.2004

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.



42.8823, 40.5860, 83.9729



40.5319, 40.5860, 18.5296



31.5619, 40.5860, 75.8001

Square

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



40.5319, 40.5860, 18.5296



28.0646, 40.5860, 38.9070



36.6836, 40.5860, 86.6276



51.4299, 40.5860, 49.9335

Rectangle

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



40.5319, 40.5860, 18.5296



31.3919, 40.5860, 23.1805



36.6836, 40.5860, 86.6276



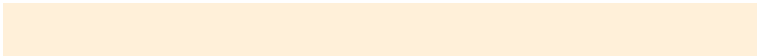
46.7797, 40.5860, 75.1314

Sweetspot

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



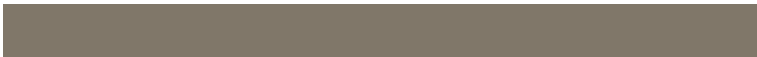
40.5329, 40.5879, 18.5304



85.0296, 88.8521, 78.1439



34.3116, 24.3304, 28.2178



17.9245, 18.7026, 15.9089



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.



40.5329, 40.5879, 18.5304



63.9233, 62.5839, 21.9544



45.3739, 54.8107, 21.0205



11.7819, 12.3527, 11.8428



20.5012, 17.7353, 2.3427



1.1294, 1.0585, 0.1448

Inverse Universe

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



25.8976, 26.2442, 60.2004



36.6930, 35.9361, 99.6102



22.6566, 17.6351, 58.7095



10.9453, 11.5310, 14.2192



8.6363, 6.2965, 36.7164



0.5182, 0.4702, 1.9184

Previews

White Background



This preview shows how the XYZ color 40.5319, 40.5860, 18.5296 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 40.5319, 40.5860, 18.5296 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 40.5319, 40.5860, 18.5296

Background



This preview shows how black text looks on a background with the XYZ color 40.5319, 40.5860, 18.5296.



This preview shows how white text looks on a background with the XYZ color 40.5319, 40.5860,

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

40.5319, 40.5860, 18.5296

Protanopia

37.6062, 40.7105, 19.2405

Deuteranopia

41.2775, 40.4391, 18.4619



Tritanopia

45.5129, 40.5338, 42.9611

Trichromacy



Original Color

40.5319, 40.5860, 18.5296

Protanomaly

38.6790, 40.7129, 18.9165

Deuteranomaly

41.1772, 40.6520, 18.5083

Tritanomaly

43.4138, 40.4513, 32.3078

Monochromacy



Original Color

40.5319, 40.5860, 18.5296

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

38.1695, 39.8734, 32.4726

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5319, 40.5860, 18.5296 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(203, 165, 103)` looks like.

```
.text, #text, p{  
    color:rgb(203, 165, 103)  
}
```

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(203, 165, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 165, 103) }
```

Border

The CSS property to change the border of an element to XYZ 40.5319, 40.5860, 18.5296 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(203, 165, 103) }
```


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

```
.border{ border-color:rgb(203, 165, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 165, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 165, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 165, 103);  
box-shadow:4px 4px 4px 4px rgb(203, 165,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5319, 40.5860, 18.5296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 165, 103) }
```

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

```
.background{ background-color: rgb(203,  
165, 103) }
```

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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