

Converting Colors

XYZ(40.9612, 35.8755, 16.5623)

Have a look what the booklet for
XYZ(40.9612, 35.8755, 16.5623)
contains.

XYZ(40.9928, 35.9034, 16.5739)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(40.9928, 35.9034,
16.5739)**

Conversions

Conversions Part 1

Format	Color
Hex	D99163
RGB	217, 145, 99
RGB Percent	85%, 57%, 39%
CMY	0.1490, 0.4313, 0.6118
CMYK	0.00, 0.33, 0.54, 0.15
HSL	23°, 61%, 62%
HSV	23°, 54%, 85%
XYZ	40.9928, 35.9034, 16.5739
YIQ	161.2840, 57.6780, 0.9580

Conversions

Conversions Part 2

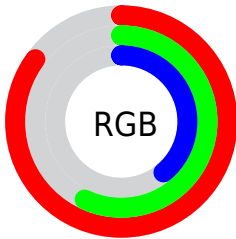
Format	Color
R _Y B	217, 174, 99
Decimal	14258531
CIE Lab	66.45, 22.40, 35.36
CIE LCh	66, 41.858, 57.650
Yxy	35.9034, 0.4386, 0.3841
Android (android.graphics.Color)	4292448611 (0xFFD99163)
YUV	161.2840, -30.7060, 48.8629
Hunter-Lab	59.9194, 17.2585, 25.5438

Details

The XYZ color **40.9928, 35.9034, 16.5739** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **32.2321, 36.7864, 71.0470**, and the grayscale version is **34.1289, 35.9063, 39.1019**.

A 20% lighter version of the original color is **67.2493, 64.3412, 38.1528**, and **18.8983, 15.6154, 5.1500** is the 20% darker color. If you saturate the color by 10%, you get **38.1850, 31.7310, 11.1893**, and if you desaturate by 10%, it is **44.3169, 40.6625, 23.5063**.

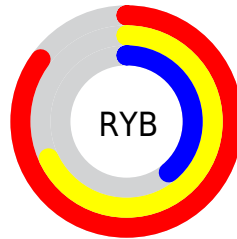
Distribution



Red (85%)

Green (57%)

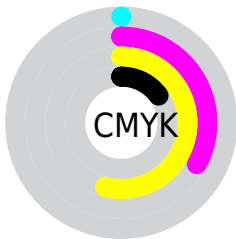
Blue (39%)



Red (85%)

Yellow (68%)

Blue (39%)

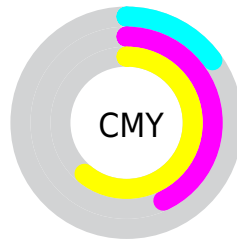


Cyan (0%)

Magenta (33%)

Yellow (54%)

Black (15%)



Cyan (15%)


Magenta (43%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.9928, 35.9034, 16.5739 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 40.9928, 35.9034, 16.5739 by changing the saturation by 10% instead.


 40.9928, 35.9034,
16.5739


 40.9928, 35.9034,
16.5739

341.3536,
328.5381, 244.6650

 28.5011, 24.3596,
9.7724


 75.9477, 68.8829,
38.3723

 18.8461, 15.6006,
5.1447


 99.1417, 91.0875,
54.2062

 11.6625, 9.2420,
2.2722


 126.6338,
117.6144, 73.8881

 6.5849, 4.8993,
0.7156

 158.7894,
148.8480, 97.8364

 3.2479, 2.1883,
0.0000

195.9738,
185.1728, 126.4697

 1.2862, 0.7136,
0.0000

238.5524,

 0.1728, 0.0000,

226.9732, 160.2066

0.0000

286.8905,
274.6335, 199.4655

■ 0.0000, 0.0000,
0.0000

■ 40.9928, 35.9034,
16.5739

■ 40.9928, 35.9034,
16.5739

■ 38.1850, 31.7310,
11.1893

■ 44.3169, 40.6625,
23.5063

■ 35.8599, 28.1146,
7.2271

■ 48.1826, 46.0263,
32.0940

■ 33.9833, 25.0283,
4.5458

■ 52.6166, 52.0187,
42.4374

■ 32.5140, 22.4412,
2.9722

■ 57.6430, 58.6604,
54.6283

■ 31.8324, 21.1863,
2.4116

■ 63.2841, 65.9714,
68.7517

■ 69.5613, 73.9704,
84.8877

■ 76.4947, 82.6756,
103.1115

■ 81.1384, 90.9182,
107.8803

■ 82.4251, 93.4916,
108.3092

Harmonies

Analogous

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



45.9598, 35.9034, 25.1567



40.9928, 35.9034, 16.5739



34.6220, 35.9034, 13.7437

Triad

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



40.9928, 35.9034, 16.5739



23.4391, 35.9034, 37.6934



40.0325, 35.9034, 78.3567

Complementary

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



40.9928, 35.9034, 16.5739



32.2321, 36.7864, 71.0470

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.



33.6329, 35.9034, 84.7462



40.9928, 35.9034, 16.5739



24.5193, 35.9034, 57.4087

Square

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



40.9928, 35.9034, 16.5739



24.9182, 35.9034, 23.3722



28.0708, 35.9034, 76.1267



45.3593, 35.9034, 60.6368

Rectangle

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



40.9928, 35.9034, 16.5739



30.5981, 35.9034, 14.5544



28.0708, 35.9034, 76.1267



37.9133, 35.9034, 82.1001

Sweetspot

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



40.9937, 35.9052, 16.5746



81.7297, 82.7784, 75.4225



40.5011, 26.6452, 41.9209



17.1630, 17.2831, 15.3358



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.



40.9937, 35.9052, 16.5746



54.5882, 45.0544, 15.3256



52.2784, 58.4746, 20.3361



13.4703, 13.8800, 13.6947



19.3654, 13.0165, 1.4918



1.3368, 1.0077, 0.1241

Inverse Universe

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



32.2321, 36.7864, 71.0470



40.6893, 46.3472, 101.4091



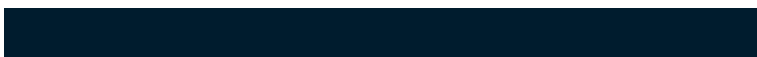
23.5494, 19.4210, 68.1527



12.9965, 13.9328, 16.6565



12.7146, 13.2986, 41.6352



0.9065, 1.0272, 2.7249

Previews

White Background



This preview shows how the XYZ color 40.9928, 35.9034, 16.5739 looks on a white background.

Color Contrast Check

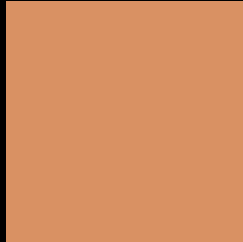
Large Text (above 18pt) WCAG AA × Fail

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 40.9928, 35.9034, 16.5739 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

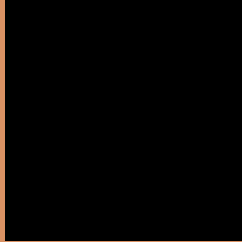
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.9928, 35.9034, 16.5739

Background



This preview shows how black text looks on a background with the XYZ color 40.9928, 35.9034, 16.5739.



This preview shows how white text looks on a background with the XYZ color 40.9928, 35.9034,

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

40.9928, 35.9034, 16.5739

Protanopia

33.4263, 36.1114, 18.8441

Deuteranopia

36.6440, 36.0415, 16.3346



Tritanopia

44.4762, 36.0073, 33.0397

Trichromacy



Original Color

40.9928, 35.9034, 16.5739

Protanomaly

35.8225, 35.8326, 17.8603

Deuteranomaly

38.1731, 35.8524, 16.4635

Tritanomaly

43.1368, 35.9041, 26.1294

Monochromacy



Original Color

40.9928, 35.9034, 16.5739

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

35.3648, 35.1014, 28.9561

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9928, 35.9034, 16.5739 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(217, 145, 99)` looks like.

```
.text, #text, p{  
    color:rgb(217, 145, 99)  
}
```

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(217, 145, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 145, 99) }
```

Border

The CSS property to change the border of an element to XYZ 40.9928, 35.9034, 16.5739 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(217, 145, 99) }
```


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

```
.border{ border-color:rgb(217, 145, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 145, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 145, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 145, 99);  
box-shadow:4px 4px 4px 4px rgb(217, 145,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9928, 35.9034, 16.5739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 145, 99) }
```

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

```
.background{ background-color: rgb(217,  
145, 99) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor