

Converting Colors

XYZ(41.0060, 40.3618, 15.5731)

Have a look what the booklet for
XYZ(41.0060, 40.3618, 15.5731)
contains.

XYZ(40.9979, 40.3596, 15.5269)	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(40.9979, 40.3596,
15.5269)**

Conversions

Conversions Part 1

Format	Color
Hex	D0A35B
RGB	208, 163, 91
RGB Percent	82%, 64%, 36%
CMY	0.1843, 0.3608, 0.6431
CMYK	0.00, 0.22, 0.56, 0.18
HSL	37°, 55%, 59%
HSV	37°, 56%, 82%
XYZ	40.9979, 40.3596, 15.5269
YIQ	168.2470, 49.9320, -12.8520

Conversions

Conversions Part 2

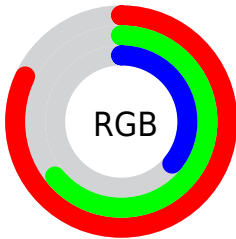
Format	Color
RYB	164, 208, 91
Decimal	13673307
CIELab	69.72, 8.28, 43.31
CIELCh	70, 44.097, 79.176
Yxy	40.3596, 0.4232, 0.4166
Android (android.graphics.Color)	4291863387 (0xFFD0A35B)
YUV	168.2470, -38.0828, 34.8634
Hunter-Lab	63.5292, 4.0170, 29.9796

Details

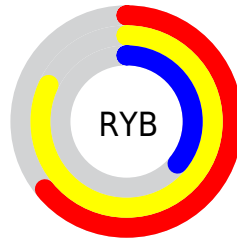
The XYZ color **40.9979, 40.3596, 15.5269** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **24.5033, 24.3855, 63.0895**, and the grayscale version is **37.5059, 39.4591, 42.9710**.

A 20% lighter version of the original color is **71.2693, 73.3860, 36.3952**, and **18.9746, 18.3348, 4.7294** is the 20% darker color. If you saturate the color by 10%, you get **38.8466, 37.2994, 10.9799**, and if you desaturate by 10%, it is **43.4897, 43.7028, 21.4149**.

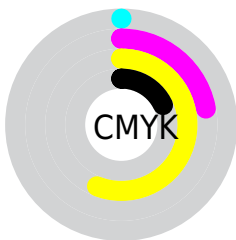
Distribution



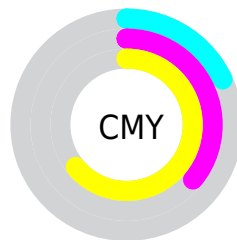
- Red (82%)
- Green (64%)
- Blue (36%)



- Red (64%)
- Yellow (82%)
- Blue (36%)



- Cyan (0%)
- Magenta (22%)
- Yellow (56%)
- Black (18%)




- Cyan (18%)
- Magenta (36%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.9979, 40.3596, 15.5269 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 40.9979, 40.3596, 15.5269 by changing the saturation by 10% instead.


 40.9979, 40.3596,
15.5269


 40.9979, 40.3596,
15.5269


341.3746,
347.6369, 238.2833

 28.5051, 27.8190,
9.0393


 75.9554, 75.7108,
36.5302

 18.8492, 18.1893,
4.6697


 99.1509, 99.2902,
51.8830

 11.6647, 11.0860,
1.9994


 126.6446,
127.3180, 71.0279

 6.5864, 6.1247,
0.5549

 158.8019,
160.1786, 94.3834

 3.2488, 2.9210,
0.0000

195.9882,
198.2564, 122.3682

 1.2867, 1.0907,
0.0000

238.5689,

 0.1732, 0.0000,

241.9358, 155.4008

0.0000

286.9092,
291.6012, 193.8996

■ 0.0000, 0.0000,
0.0000

■ 40.9979, 40.3596,
15.5269

■ 40.9979, 40.3596,
15.5269

■ 38.8466, 37.2994,
10.9799

■ 43.4897, 43.7028,
21.4149

■ 37.0100, 34.5047,
7.6599

■ 46.3393, 47.3340,
28.7404

■ 35.4630, 31.9642,
5.4374

■ 49.5662, 51.2649,
37.5940

■ 34.1726, 29.6620,
4.1483

■ 53.1875, 55.5047,
48.0579

■ 33.7326, 28.8504,
3.7908

■ 57.2189, 60.0623,
60.2083

■ 61.6756, 64.9459,
74.1166

■ 66.5714, 70.1635,
89.8502

■ 71.5308, 75.5669,
105.4235

■ 73.7698, 80.0448,
106.1699

Harmonies

Analogous

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



48.0576, 40.3596, 20.3947



40.9979, 40.3596, 15.5269



34.0239, 40.3596, 16.2798

Triad

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



40.9979, 40.3596, 15.5269



26.7960, 40.3596, 58.1721



49.7202, 40.3596, 74.9993

Complementary

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



40.9979, 40.3596, 15.5269



24.5033, 24.3855, 63.0895

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.



43.0510, 40.3596, 92.5475



40.9979, 40.3596, 15.5269



30.0645, 40.3596, 80.9345

Square

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



40.9979, 40.3596, 15.5269



26.3904, 40.3596, 36.9646



35.8389, 40.3596, 95.0050



53.4932, 40.3596, 51.7526

Rectangle

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



40.9979, 40.3596, 15.5269



30.3224, 40.3596, 19.9620



35.8389, 40.3596, 95.0050



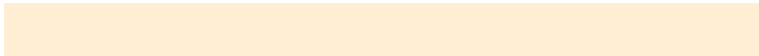
47.7069, 40.3596, 82.0317

Sweetspot

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



40.9989, 40.3616, 15.5277



83.7499, 87.3365, 74.4997



34.3266, 22.7216, 26.5458



17.6677, 18.3946, 15.1897



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.



40.9989, 40.3616, 15.5277



61.1074, 58.4251, 16.4748



47.2871, 57.6428, 18.5319



12.4057, 13.0022, 12.4679



21.1202, 18.1734, 2.3947



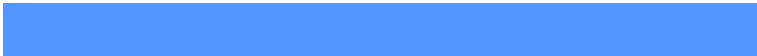
1.2565, 1.1673, 0.1591

Inverse Universe

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



24.5033, 24.3855, 63.0895



32.6027, 30.8779, 98.8494



20.6857, 14.9025, 61.4603



11.5311, 12.1524, 14.9816



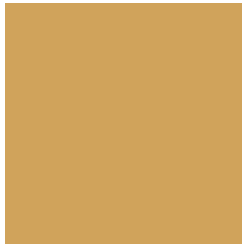
8.9703, 6.5873, 37.9912



0.5775, 0.5202, 2.1495

Previews

White Background



This preview shows how the XYZ color 40.9979, 40.3596, 15.5269 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 40.9979, 40.3596, 15.5269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

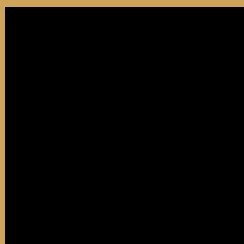
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.9979, 40.3596, 15.5269

Background



This preview shows how black text looks on a background with the XYZ color 40.9979, 40.3596, 15.5269.



This preview shows how white text looks on a background with the XYZ color 40.9979, 40.3596,

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

40.9979, 40.3596, 15.5269

Protanopia

37.3223, 40.6253, 16.4641

Deuteranopia

41.2800, 40.5050, 15.5401



Tritanopia

46.1701, 40.1605, 41.3947

Trichromacy



Original Color

40.9979, 40.3596, 15.5269

Protanomaly

38.4841, 40.3977, 16.1251

Deuteranomaly

41.2800, 40.5050, 15.5401

Tritanomaly

43.8685, 39.9751, 29.8299

Monochromacy



Original Color

40.9979, 40.3596, 15.5269

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.8983, 39.2332, 30.3862

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9979, 40.3596, 15.5269 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(208, 163, 91)` looks like.

```
.text, #text, p{  
    color:rgb(208, 163, 91)  
}
```

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(208, 163, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 163, 91) }
```

Border

The CSS property to change the border of an element to XYZ 40.9979, 40.3596, 15.5269 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(208, 163, 91) }
```


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

```
.border{ border-color:rgb(208, 163, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 163, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 163, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 163, 91);  
box-shadow:4px 4px 4px 4px rgb(208, 163,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9979, 40.3596, 15.5269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 163, 91) }
```

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

```
.background{ background-color: rgb(208,  
163, 91) }
```

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