

Converting Colors

XYZ(40.8353, 40.2088, 17.0429)

Have a look what the booklet for
XYZ(40.8353, 40.2088, 17.0429)
contains.

XYZ(40.7554, 40.1980, 17.1662)	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(40.7554, 40.1980,
17.1662)**

Conversions

Conversions Part 1

Format	Color
Hex	CEA362
RGB	206, 163, 98
RGB Percent	81%, 64%, 38%
CMY	0.1922, 0.3608, 0.6157
CMYK	0.00, 0.21, 0.52, 0.19
HSL	36°, 52%, 60%
HSV	36°, 52%, 81%
XYZ	40.7554, 40.1980, 17.1662
YIQ	168.4470, 46.4930, -11.0990

Conversions

Conversions Part 2

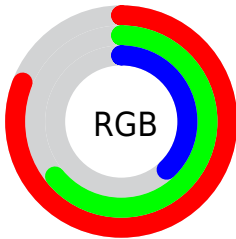
Format	Color
RYB	169, 206, 98
Decimal	13542242
CIELab	69.61, 8.03, 39.56
CIELCh	70, 40.366, 78.528
Yxy	40.1980, 0.4154, 0.4097
Android (android.graphics.Color)	4291732322 (0xFFCEA362)
YUV	168.4470, -34.7304, 32.9340
Hunter-Lab	63.4019, 3.7884, 28.3284

Details

The XYZ color **40.7554, 40.1980, 17.1662** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **25.7021, 26.1017, 62.0759**, and the grayscale version is **37.5897, 39.5473, 43.0670**.

A 20% lighter version of the original color is **71.8164, 73.6048, 39.2762**, and **18.6332, 17.9802, 5.3942** is the 20% darker color. If you saturate the color by 10%, you get **38.4961, 37.0409, 12.2164**, and if you desaturate by 10%, it is **43.3613, 43.6479, 23.4672**.

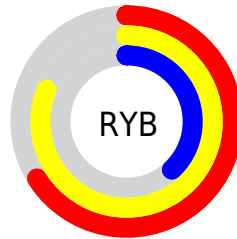
Distribution



Red (81%)

Green (64%)

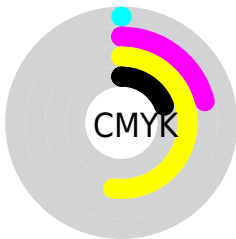
Blue (38%)



Red (66%)

Yellow (81%)

Blue (38%)

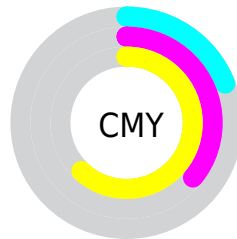


Cyan (0%)

Magenta (21%)

Yellow (52%)

Black (19%)



Cyan (19%)


Magenta (36%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.7554, 40.1980, 17.1662 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 40.7554, 40.1980, 17.1662 by changing the saturation by 10% instead.


 40.7554, 40.1980,
17.1662


 40.7554, 40.1980,
17.1662


340.3773,
346.9574, 248.2046


 28.3148, 27.6930,
10.1898

 75.5895, 75.4649,
39.4059


 18.7048, 18.0943,
5.4178


 98.7137, 98.9956,
55.5063

 11.5599, 11.0177,
2.4314


 126.1299,
126.9703, 75.4851

 6.5148, 6.0788,
0.8035

 158.2034,
159.7733, 99.7609

 3.2042, 2.8930,
0.0000

195.2995,
197.7892, 128.7522

 1.2626, 1.0761,
0.0000

237.7837,

 0.1550, 0.0000,

241.4022, 162.8776

0.0000

286.0211,
290.9968, 202.5555

■ 0.0000, 0.0000,
0.0000

■ 40.7554, 40.1980,
17.1662

■ 40.7554, 40.1980,
17.1662

■ 38.4961, 37.0409,
12.2164

■ 43.3613, 43.6479,
23.4672

■ 36.5593, 34.1595,
8.5116

■ 46.3303, 47.3954,
31.2098

■ 34.9214, 31.5431,
5.9331

■ 49.6810, 51.4522,
40.4796

■ 33.5536, 29.1769,
4.3380

■ 53.4297, 55.8273,
51.3546

■ 32.6600, 27.5347,
3.5934

■ 57.5916, 60.5294,
63.9073

■ 62.1813, 65.5669,
78.2061

■ 67.2123, 70.9476,
94.3151

■ 71.4159, 76.1664,
105.5453

■ 73.7338, 80.8024,
106.3180

Harmonies

Analogous

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



47.1267, 40.1980, 21.9995



40.7554, 40.1980, 17.1662



34.3596, 40.1980, 17.7864

Triad

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



40.7554, 40.1980, 17.1662



27.5089, 40.1980, 56.2000



48.3929, 40.1980, 72.1168

Complementary

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



40.7554, 40.1980, 17.1662



25.7021, 26.1017, 62.0759

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.



42.3314, 40.1980, 87.4086



40.7554, 40.1980, 17.1662



30.4904, 40.1980, 76.5648

Square

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



40.7554, 40.1980, 17.1662



27.1893, 40.1980, 37.0083



35.7671, 40.1980, 89.2351



51.8594, 40.1980, 51.3062

Rectangle

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



40.7554, 40.1980, 17.1662



30.9169, 40.1980, 21.2583



35.7671, 40.1980, 89.2351



46.5614, 40.1980, 78.2993

Sweetspot

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



40.7564, 40.1999, 17.1670



84.1987, 87.7163, 76.2455



34.6441, 23.7866, 28.0431



17.7505, 18.4583, 15.5317



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.



40.7564, 40.1999, 17.1670



61.9166, 59.3555, 18.8656



46.8333, 56.6532, 20.0225



11.7645, 12.3180, 11.8370



20.2081, 17.1492, 2.2450



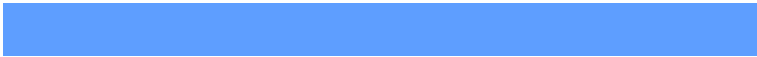
1.1154, 1.0305, 0.1401

Inverse Universe

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



25.7021, 26.1017, 62.0759



34.9811, 34.1763, 99.3607



21.7907, 16.4306, 60.4153



10.9621, 11.5647, 14.2248



8.8074, 6.6388, 36.7735



0.5280, 0.4897, 1.9216

Previews

White Background



This preview shows how the XYZ color 40.7554, 40.1980, 17.1662 looks on a white background.

Color Contrast Check

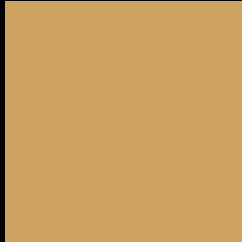
Large Text (above 18pt) WCAG AA × Fail

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 40.7554, 40.1980, 17.1662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

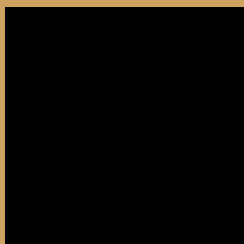
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.7554, 40.1980, 17.1662

Background



This preview shows how black text looks on a background with the XYZ color 40.7554, 40.1980, 17.1662.



This preview shows how white text looks on a background with the XYZ color 40.7554, 40.1980,

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

40.7554, 40.1980, 17.1662

Protanopia

36.9734, 40.1281, 18.1087

Deuteranopia

40.8571, 39.9879, 17.1203



Tritanopia

45.8478, 40.2298, 41.9079

Trichromacy



Original Color

40.7554, 40.1980, 17.1662

Protanomaly

38.1113, 39.8950, 17.7484

Deuteranomaly

40.8571, 39.9879, 17.1203

Tritanomaly

43.6877, 40.1084, 31.0303

Monochromacy



Original Color

40.7554, 40.1980, 17.1662

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.8855, 39.2007, 31.5563

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7554, 40.1980, 17.1662 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(206, 163, 98)` looks like.

```
.text, #text, p{  
    color:rgb(206, 163, 98)  
}
```

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(206, 163, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 163, 98) }
```

Border

The CSS property to change the border of an element to XYZ 40.7554, 40.1980, 17.1662 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(206, 163, 98) }
```


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

```
.border{ border-color:rgb(206, 163, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 163, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 163, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 163, 98);  
box-shadow:4px 4px 4px 4px rgb(206, 163,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7554, 40.1980, 17.1662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 163, 98) }
```

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

```
.background{ background-color: rgb(206,  
163, 98) }
```

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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