

Converting Colors

XYZ(38.1880, 40.2793, 14.5660)

Have a look what the booklet for
XYZ(38.1880, 40.2793, 14.5660)
contains.

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Color

**XYZ(38.1880, 40.2793,
14.5660)**

Conversions

Conversions Part 1

Format	Color
Hex	C3A856
RGB	195, 168, 86
RGB Percent	76%, 66%, 34%
CMY	0.2353, 0.3412, 0.6627
CMYK	0.00, 0.14, 0.56, 0.24
HSL	45°, 48%, 55%
HSV	45°, 56%, 76%
XYZ	38.1880, 40.2793, 14.5660
YIQ	166.7250, 42.4140, -19.7780

Conversions

Conversions Part 2

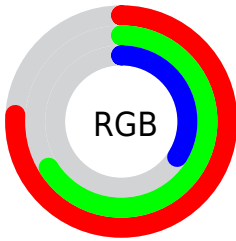
Format	Color
RYB	122, 195, 86
Decimal	12822614
CIELab	69.67, -0.31, 45.42
CIELCh	70, 45.417, 90.391
Yxy	40.2793, 0.4105, 0.4330
Android (android.graphics.Color)	4291012694 (0xFFC3A856)
YUV	166.7250, -39.7974, 24.7972
Hunter-Lab	63.4660, -3.6605, 30.8186

Details

The XYZ color **38.1880, 40.2793, 14.5660** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **19.5929, 17.7280, 54.0186**, and the grayscale version is **36.7707, 38.6856, 42.1286**.

A 20% lighter version of the original color is **71.8482, 75.6812, 34.8659**, and **17.2113, 18.1071, 4.2570** is the 20% darker color. If you saturate the color by 10%, you get **36.6323, 38.2583, 10.6861**, and if you desaturate by 10%, it is **39.9931, 42.4561, 19.5873**.

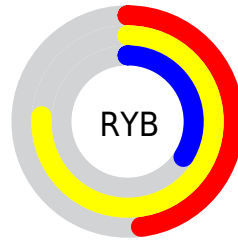
Distribution



Red (76%)

Green (66%)

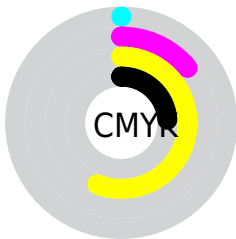
Blue (34%)



Red (48%)

Yellow (76%)

Blue (34%)

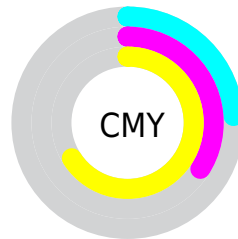


Cyan (0%)

Magenta (14%)

Yellow (56%)

Black (24%)



Cyan (24%)


Magenta (34%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1880, 40.2793, 14.5660 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 38.1880, 40.2793, 14.5660 by changing the saturation by 10% instead.


 38.1880, 40.2793,
14.5660


 38.1880, 40.2793,
14.5660


329.6927,
347.2994, 232.2737

 26.3065, 27.7564,
8.3721


 71.6982, 75.5886,
34.8215


 17.1870, 18.1421,
4.2428


 94.0577, 99.1438,
49.7201


 10.4640, 11.0521,
1.7595


 120.6405,
127.1453, 68.3575

 5.7723, 6.1019,
0.4010

 151.8121,
159.9773, 91.1521

 2.7465, 2.9071,
0.0000

 187.9377,
198.0243, 118.5225

 1.0211, 1.0834,
0.0000

229.3828,

 0.0000, 0.0000,

241.6707, 150.8872

0.0000

276.5127,
291.3010, 188.6647

■ 38.1880, 40.2793,
14.5660

■ 38.1880, 40.2793,
14.5660

■ 36.6323, 38.2583,
10.6861

■ 39.9931, 42.4561,
19.5873

■ 35.3048, 36.3795,
7.8507

■ 42.0609, 44.7900,
25.8312

■ 34.1853, 34.6357,
5.9512

■ 44.4072, 47.2894,
33.3744

■ 33.2475, 33.0159,
4.8502

■ 47.0454, 49.9601,
42.2865

■ 32.8936, 32.3783,
4.5159

■ 49.9881, 52.8079,
52.6323

■ 53.2472, 55.8379,
64.4723

■ 56.8338, 59.0551,
77.8636

■ 60.7584, 62.4643,
92.8602

■ 63.9665, 65.6440,
103.9069

Harmonies

Analogous

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



45.6965, 40.2793, 17.2489



38.1880, 40.2793, 14.5660



31.5733, 40.2793, 17.3974

Triad

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



38.1880, 40.2793, 14.5660



27.3461, 40.2793, 67.6729



51.9260, 40.2793, 67.0367

Complementary

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



38.1880, 40.2793, 14.5660



19.5929, 17.7280, 54.0186

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.



45.8846, 40.2793, 88.8294



38.1880, 40.2793, 14.5660



31.7203, 40.2793, 89.2719

Square

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



38.1880, 40.2793, 14.5660



25.8245, 40.2793, 44.1338



38.3807, 40.2793, 98.0272



54.2188, 40.2793, 43.5820

Rectangle

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



38.1880, 40.2793, 14.5660



28.3999, 40.2793, 22.7903



38.3807, 40.2793, 98.0272



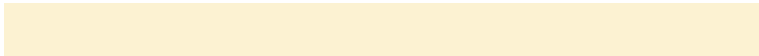
50.2311, 40.2793, 75.0371

Sweetspot

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



38.1890, 40.2812, 14.5668



83.5819, 88.8075, 73.4048



28.8283, 19.4559, 17.9330



18.0852, 19.2295, 15.3288



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.



38.1890, 40.2812, 14.5668



65.0666, 67.7795, 17.8996



37.2901, 47.9993, 16.1039



10.6953, 11.3221, 10.6836



21.4483, 21.1824, 2.9582



0.9784, 1.0185, 0.1450

Inverse Universe

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



19.5929, 17.7280, 54.0186



28.5953, 23.6272, 95.5232



20.0207, 14.1234, 53.3003



9.7265, 10.1442, 12.7302



7.1538, 4.0641, 33.9640



0.3657, 0.2889, 1.4864

Previews

White Background



This preview shows how the XYZ color 38.1880, 40.2793, 14.5660 looks on a white background.

Color Contrast Check

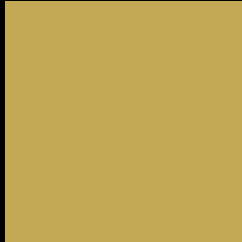
Large Text (above 18pt) WCAG AA × Fail

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 38.1880, 40.2793, 14.5660 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 38.1880, 40.2793, 14.5660

Background



This preview shows how black text looks on a background with the XYZ color 38.1880, 40.2793, 14.5660.



This preview shows how white text looks on a background with the XYZ color 38.1880, 40.2793,

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

38.1880, 40.2793, 14.5660

Protanopia

36.8341, 40.1289, 14.8211

Deuteranopia

40.9351, 40.0841, 14.5963



Tritanopia

44.3774, 40.4331, 43.9935

Trichromacy



Original Color

38.1880, 40.2793, 14.5660

Protanomaly

37.3941, 40.1404, 14.7938

Deuteranomaly

39.8976, 40.0764, 14.6495

Tritanomaly

41.4734, 40.0135, 30.3484

Monochromacy



Original Color

38.1880, 40.2793, 14.5660

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

36.5376, 38.8195, 29.6119

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1880, 40.2793, 14.5660 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(195, 168, 86)` looks like.

```
.text, #text, p{  
    color:rgb(195, 168, 86)  
}
```

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(195, 168, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 168, 86) }
```

Border

The CSS property to change the border of an element to XYZ 38.1880, 40.2793, 14.5660 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(195, 168, 86) }
```


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

```
.border{ border-color:rgb(195, 168, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 168, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 168, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 168, 86);  
box-shadow:4px 4px 4px 4px rgb(195, 168,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1880, 40.2793, 14.5660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 168, 86) }
```

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

```
.background{ background-color: rgb(195,  
168, 86) }
```

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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