

Converting Colors

XYZ(36.4762, 34.3169, 17.9310)

Have a look what the booklet for
XYZ(36.4762, 34.3169, 17.9310)
contains.

XYZ(36.3773, 34.1851, 17.7778)	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(36.3773, 34.1851,
17.7778)**

Conversions

Conversions Part 1

Format	Color
Hex	C69468
RGB	198, 148, 104
RGB Percent	78%, 58%, 41%
CMY	0.2235, 0.4196, 0.5922
CMYK	0.00, 0.25, 0.47, 0.22
HSL	28°, 45%, 59%
HSV	28°, 47%, 78%
XYZ	36.3773, 34.1851, 17.7778
YIQ	157.9340, 43.9240, -3.0840

Conversions

Conversions Part 2

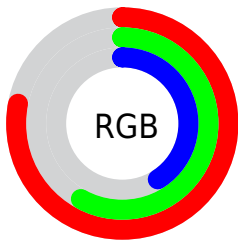
Format	Color
R_{YB}	198, 187, 104
Decimal	13014120
CIE _{Lab}	65.11, 13.41, 30.53
CIE _{LCh}	65, 33.348, 66.281
Yxy	34.1851, 0.4118, 0.3870
Android (android.graphics.Color)	4291204200 (0xFFC69468)
YUV	157.9340, -26.5895, 35.1379
Hunter-Lab	58.4680, 8.7391, 22.8999

Details

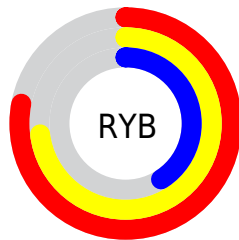
The XYZ color **36.3773, 34.1851, 17.7778** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **27.4570, 30.1301, 57.7944**, and the grayscale version is **32.5731, 34.2694, 37.3194**.

A 20% lighter version of the original color is **68.3613, 65.9014, 40.5697**, and **16.1438, 14.5857, 5.7058** is the 20% darker color. If you saturate the color by 10%, you get **33.9100, 30.6755, 12.5627**, and if you desaturate by 10%, it is **39.2327, 38.0930, 24.2879**.

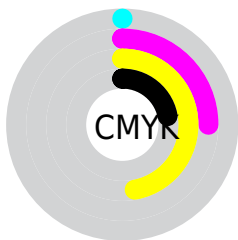
Distribution



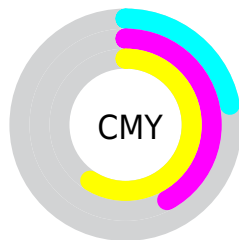
- Red (78%)
- Green (58%)
- Blue (41%)



- Red (78%)
- Yellow (73%)
- Blue (41%)



- Cyan (0%)
- Magenta (25%)
- Yellow (47%)
- Black (22%)





- Cyan (22%)
- Magenta (42%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3773, 34.1851, 17.7778 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 36.3773, 34.1851, 17.7778 by changing the saturation by 10% instead.


 36.3773, 34.1851,
17.7778


 36.3773, 34.1851,
17.7778


322.0092,
320.9566, 251.8095


 24.8972, 23.0358,
10.6228


 68.9341, 66.2214,
40.4671


 16.1288, 14.6200,
5.7028


 90.7415, 87.8772,
56.8386

 9.7068, 8.5531,
2.5994


 116.7220,
113.8041, 77.1192

 5.2657, 4.4509,
0.8921

 147.2410,
144.3862, 101.7276

 2.4404, 1.9288,
0.0000

182.6639,
180.0082, 131.0823

 0.8653, 0.5656,
0.0000

223.3560,

 0.0000, 0.0000,

221.0543, 165.6018

0.0000

269.6826,
267.9090, 205.7047

■ 36.3773, 34.1851,
17.7778

■ 36.3773, 34.1851,
17.7778

■ 33.9100, 30.6755,
12.5627

■ 39.2327, 38.0930,
24.2879

■ 31.8076, 27.5447,
8.5508

■ 42.4927, 42.4081,
32.1721

■ 30.0477, 24.7783,
5.6416


■ 46.1757, 47.1450,
41.5054


■ 28.6038, 22.3588,
3.7166

■ 50.2982, 52.3158,
52.3567


■ 27.4399, 20.2645,
2.6088

■ 54.8757, 57.9325,
64.7906

 27.1759, 19.7803,
2.3856

 59.9228, 64.0061,
78.8678

 65.4535, 70.5475,
94.6459

 70.2664, 77.0812,
105.7825

 73.3244, 83.1973,
106.8018

Harmonies

Analogous

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



40.5782, 34.1851, 23.5834



36.3773, 34.1851, 17.7778



31.4852, 34.1851, 16.5314

Triad

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



36.3773, 34.1851, 17.7778



24.0984, 34.1851, 40.2118



38.3103, 34.1851, 63.0784

Complementary

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



36.3773, 34.1851, 17.7778



27.4570, 30.1301, 57.7944

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.



33.5198, 34.1851, 70.4600



36.3773, 34.1851, 17.7778



25.5582, 34.1851, 55.3073

Square

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



36.3773, 34.1851, 17.7778



24.7012, 34.1851, 27.5051



28.8935, 34.1851, 67.3108



41.7694, 34.1851, 48.9933

Rectangle

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



36.3773, 34.1851, 17.7778



28.5464, 34.1851, 18.0871



28.8935, 34.1851, 67.3108



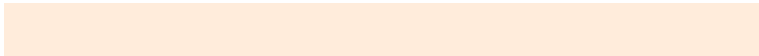
36.7851, 34.1851, 66.5666

Sweetspot

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



36.3781, 34.1868, 17.7785



84.0648, 86.3884, 79.4690



34.0830, 24.2442, 33.5136



17.6616, 18.0718, 16.1453



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.



36.3781, 34.1868, 17.7785



59.8949, 54.0972, 21.9371



45.2726, 51.9756, 20.7433



11.0364, 11.4419, 11.1896



17.7573, 13.0318, 1.5795



0.9131, 0.7617, 0.0989

Inverse Universe

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



27.4570, 30.1301, 57.7944



42.1980, 46.0347, 101.2693



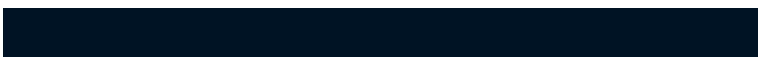
21.1739, 17.5639, 55.7001



10.5159, 11.2058, 13.5262



10.0208, 9.4356, 36.0375



0.5465, 0.5909, 1.7304

Previews

White Background



This preview shows how the XYZ color 36.3773, 34.1851, 17.7778 looks on a white background.

Color Contrast Check

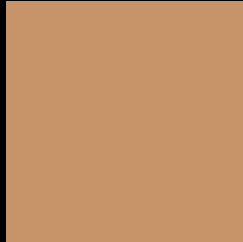
Large Text (above 18pt) WCAG AA × Fail

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 36.3773, 34.1851, 17.7778 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 36.3773, 34.1851, 17.7778

Background



This preview shows how black text looks on a background with the XYZ color 36.3773, 34.1851, 17.7778.



This preview shows how white text looks on a background with the XYZ color 36.3773, 34.1851,

17.7778.

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

36.3773, 34.1851, 17.7778

Protanopia

31.7282, 34.1944, 19.1153

Deuteranopia

34.7500, 34.0596, 17.5746



Tritanopia

39.7799, 34.2025, 34.6421

Trichromacy



Original Color

36.3773, 34.1851, 17.7778

Protanomaly

33.2655, 33.9965, 18.7186

Deuteranomaly

35.3468, 34.1294, 17.5566

Tritanomaly

38.4338, 34.1133, 27.4805

Monochromacy



Original Color

36.3773, 34.1851, 17.7778

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

33.3766, 33.8304, 28.8155

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3773, 34.1851, 17.7778 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(198, 148, 104)` looks like.

```
.text, #text, p{  
    color:rgb(198, 148, 104)  
}
```

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(198, 148, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 148, 104) }
```

Border

The CSS property to change the border of an element to XYZ 36.3773, 34.1851, 17.7778 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(198, 148, 104) }
```


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

```
.border{ border-color:rgb(198, 148, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 148, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 148, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 148, 104);  
box-shadow:4px 4px 4px 4px rgb(198, 148,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3773, 34.1851, 17.7778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 148, 104) }
```

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

```
.background{ background-color: rgb(198,  
148, 104) }
```

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