

Converting Colors

XYZ(33.7575, 36.5795, 17.3379)

Have a look what the booklet for
XYZ(33.7575, 36.5795, 17.3379)
contains.

XYZ(33.7575, 36.5795, 17.3379)	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(33.7575, 36.5795,
17.3379)**

Conversions

Conversions Part 1

Format	Color
Hex	B2A364
RGB	178, 163, 100
RGB Percent	70%, 64%, 39%
CMY	0.3020, 0.3608, 0.6078
CMYK	0.00, 0.08, 0.44, 0.30
HSL	48°, 34%, 55%
HSV	48°, 44%, 70%
XYZ	33.7575, 36.5795, 17.3379
YIQ	160.3030, 29.1630, -16.4130

Conversions

Conversions Part 2

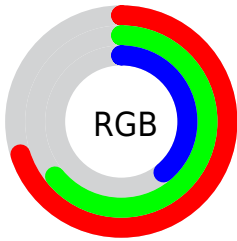
Format	Color
RYB	119, 178, 100
Decimal	11707236
CIELab	66.96, -3.50, 34.63
CIELCh	67, 34.808, 95.767
Yxy	36.5795, 0.3850, 0.4172
Android (android.graphics.Color)	4289897316 (0xFFB2A364)
YUV	160.3030, -29.7294, 15.5203
Hunter-Lab	60.4810, -6.2118, 25.3402

Details

The XYZ color **33.7575, 36.5795, 17.3379** is a light color, and the websafe version is hex **999966**. A complement of this color would be **19.4219, 18.1844, 44.6055**, and the grayscale version is **33.6778, 35.4317, 38.5851**.

A 20% lighter version of the original color is **64.9998, 70.0720, 39.8051**, and **14.7039, 16.1124, 5.4670** is the 20% darker color. If you saturate the color by 10%, you get **32.3893, 35.0745, 13.0859**, and if you desaturate by 10%, it is **35.3322, 38.1961, 22.5882**.

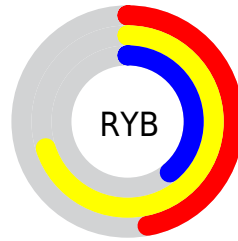
Distribution



Red (70%)

Green (64%)

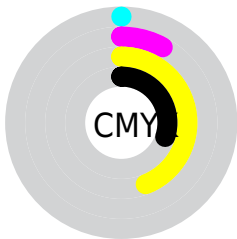
Blue (39%)



Red (47%)

Yellow (70%)

Blue (39%)

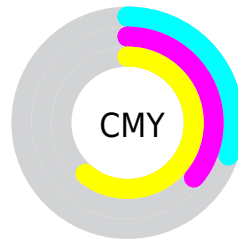


Cyan (0%)

Magenta (8%)

Yellow (44%)

Black (30%)



Cyan (30%)

Magenta (36%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7575, 36.5795, 17.3379 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 33.7575, 36.5795, 17.3379 by changing the saturation by 10% instead.

■ 33.7575, 36.5795,
17.3379

■ 33.7575, 36.5795,
17.3379

310.6544,
331.4864, 249.2217

■ 22.8694, 24.8821,
10.3112

■ 64.9032, 69.9256,
39.7044

■ 14.6172, 15.9892,
5.4975

■ 85.8914, 92.3430,
55.8813

■ 8.6358, 9.5165,
2.4782

■ 110.9771,
119.1026, 75.9454

■ 4.5596, 5.0796,
0.8286

■ 140.5256,
150.5887, 100.3151

■ 2.0233, 2.2940,
0.0000

174.9022,
187.1858, 129.4090

■ 0.6470, 0.7706,
0.0000

214.4723,

■ 0.0000, 0.0000,

229.2781, 163.6458

0.0000

259.6012,
277.2502, 203.4438

■ 33.7575, 36.5795,
17.3379

■ 33.7575, 36.5795,
17.3379

■ 32.3893, 35.0745,
13.0859

■ 35.3322, 38.1961,
22.5882

■ 31.2124, 33.6707,
9.7647

■ 37.1221, 39.9240,
28.8940

■ 30.2137, 32.3641,
7.3019


■ 39.1385, 41.7692,
36.3106


■ 29.3770, 31.1481,
5.6134


■ 41.3914, 43.7359,
44.8892


■ 28.6832, 30.0146,
4.5983


■ 43.8899, 45.8279,
54.6774

 28.3000, 29.3449,
4.1726

 46.6426, 48.0490,
65.7204

 49.6578, 50.4025,
78.0608

 52.9433, 52.8918,
91.7395

 55.6578, 55.1806,
102.3252

Harmonies

Analogous

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



39.1038, 36.5795, 18.7624



33.7575, 36.5795, 17.3379



29.1646, 36.5795, 20.5874

Triad

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



33.7575, 36.5795, 17.3379



27.1631, 36.5795, 59.3562



44.8722, 36.5795, 52.9956

Complementary

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



33.7575, 36.5795, 17.3379



19.4219, 18.1844, 44.6055

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.



41.0460, 36.5795, 68.3877



33.7575, 36.5795, 17.3379



30.7647, 36.5795, 72.6632

Square

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



33.7575, 36.5795, 17.3379



25.6128, 36.5795, 42.8225



35.7979, 36.5795, 76.3291



45.8792, 36.5795, 36.9780

Rectangle

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



33.7575, 36.5795, 17.3379



27.0311, 36.5795, 25.6082



35.7979, 36.5795, 76.3291



43.8554, 36.5795, 58.5284

Sweetspot

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



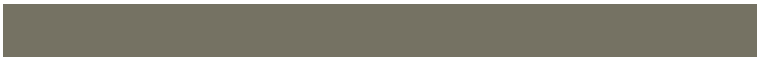
33.7584, 36.5812, 17.3387



71.2064, 75.9521, 66.7121



26.0466, 19.8313, 18.8567



15.5889, 16.6599, 14.0815



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.7584, 36.5812, 17.3387



58.7138, 63.5799, 23.6635



31.6616, 39.6898, 18.0492



9.0555, 9.6235, 9.0328



20.2928, 21.0842, 3.0001



0.6742, 0.7348, 0.1063

Inverse Universe

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



19.4219, 18.1844, 44.6055



29.2345, 25.7792, 79.8162



20.8191, 16.5696, 44.2202



8.1698, 8.4859, 10.7137



6.1993, 3.1990, 30.4277



0.2341, 0.1788, 0.9704

Previews

White Background



This preview shows how the XYZ color 33.7575, 36.5795, 17.3379 looks on a white background.

Color Contrast Check

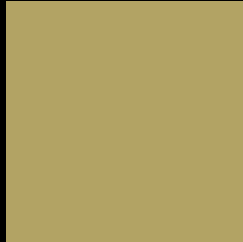
Large Text (above 18pt) WCAG AA × Fail

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 33.7575, 36.5795, 17.3379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

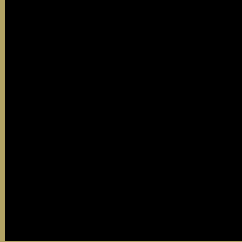
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.7575, 36.5795, 17.3379

Background



This preview shows how black text looks on a background with the XYZ color 33.7575, 36.5795, 17.3379.



This preview shows how white text looks on a background with the XYZ color 33.7575, 36.5795,

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

33.7575, 36.5795, 17.3379

Protanopia

33.7575, 36.5795, 17.3379

Deuteranopia

37.3127, 36.6066, 17.6696



Tritanopia

38.7040, 36.5470, 41.5736

Trichromacy



Original Color

33.7575, 36.5795, 17.3379

Protanomaly

33.7575, 36.5795, 17.3379

Deuteranomaly

35.9823, 36.6830, 17.4960

Tritanomaly

36.4762, 36.3820, 31.0865

Monochromacy



Original Color

33.7575, 36.5795, 17.3379

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.2687, 35.5402, 29.1513

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7575, 36.5795, 17.3379 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(178, 163, 100)` looks like.

```
.text, #text, p{  
    color:rgb(178, 163, 100)  
}
```

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(178, 163, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 163, 100) }
```

Border

The CSS property to change the border of an element to XYZ 33.7575, 36.5795, 17.3379 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(178, 163, 100) }
```


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

```
.border{ border-color:rgb(178, 163, 100) }
```

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

Here you see how a box with a 4 pixel rgb(178, 163, 100) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 163, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 163, 100);  
box-shadow:4px 4px 4px 4px rgb(178, 163,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7575, 36.5795, 17.3379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 163, 100) }
```

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

```
.background{ background-color: rgb(178,  
163, 100) }
```

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