

Converting Colors

XYZ(34.7455, 33.9781, 10.3574)

Have a look what the booklet for
XYZ(34.7455, 33.9781, 10.3574)
contains.

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Color

**XYZ(34.7455, 33.9781,
10.3574)**

Conversions

Conversions Part 1

Format	Color
Hex	C49645
RGB	196, 150, 69
RGB Percent	77%, 59%, 27%
CMY	0.2314, 0.4117, 0.7294
CMYK	0.00, 0.23, 0.65, 0.23
HSL	38°, 52%, 52%
HSV	38°, 65%, 77%
XYZ	34.7455, 33.9781, 10.3574
YIQ	154.5200, 53.4170, -15.4390

Conversions

Conversions Part 2

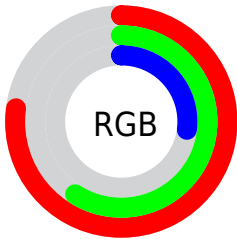
Format	Color
RYB	141, 196, 69
Decimal	12883525
CIELab	64.95, 8.61, 48.26
CIELCh	65, 49.025, 79.885
Yxy	33.9781, 0.4394, 0.4297
Android (android.graphics.Color)	4291073605 (0xFFC49645)
YUV	154.5200, -42.1614, 36.3780
Hunter-Lab	58.2907, 4.3901, 30.2686

Details

The XYZ color **34.7455, 33.9781, 10.3574** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **18.5486, 17.5116, 54.6268**, and the grayscale version is **31.1081, 32.7281, 35.6409**.

A 20% lighter version of the original color is **66.2230, 65.8018, 26.9800**, and **15.2028, 14.4501, 2.4781** is the 20% darker color. If you saturate the color by 10%, you get **33.1362, 31.5778, 7.2991**, and if you desaturate by 10%, it is **36.6259, 36.5994, 14.4979**.

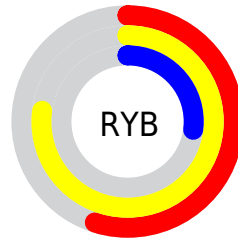
Distribution



Red (77%)

Green (59%)

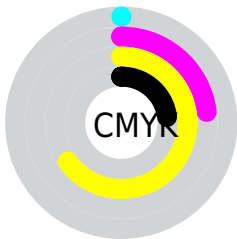
Blue (27%)



Red (55%)

Yellow (77%)

Blue (27%)

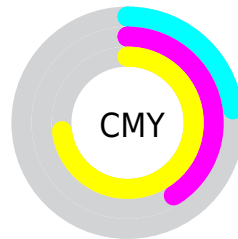


Cyan (0%)

Magenta (23%)

Yellow (65%)

Black (23%)



Cyan (23%)


Magenta (41%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.7455, 33.9781, 10.3574 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 34.7455, 33.9781, 10.3574 by changing the saturation by 10% instead.


 34.7455, 33.9781,
10.3574


 34.7455, 33.9781,
10.3574


314.9713,
320.0344, 203.7808


 23.6325, 22.8768,
5.5279


 66.4279, 65.8996,
27.0839


 15.1845, 14.5025,
2.4961


 87.7281, 87.4886,
39.8179


 9.0361, 8.4710,
0.8381


 113.1547,
113.3422, 56.0238

 4.8221, 4.3978,
0.0000

 143.0730,
143.8450, 76.1201

 2.1769, 1.8985,
0.0000

 177.8485,
179.3811, 100.5255

 0.7305, 0.5475,
0.0000

217.8465,

 0.0000, 0.0000,

220.3352, 129.6583

0.0000

263.4323,
267.0915, 163.9373

■ 34.7455, 33.9781,
10.3574

■ 34.7455, 33.9781,
10.3574

■ 33.1362, 31.5778,
7.2991

■ 36.6259, 36.5994,
14.4979

■ 31.7739, 29.3828,
5.2119

■ 38.7941, 39.4461,
19.8131

■ 30.6328, 27.3822,
3.9637

■ 41.2679, 42.5286,
26.3878

■ 30.1003, 26.4066,
3.5105

■ 44.0629, 45.8549,
34.2981

■ 47.1934, 49.4324,
43.6144

■ 50.6728, 53.2682,
54.4019

■ 54.5137, 57.3691,
66.7216

■ 58.7280, 61.7414,
80.6313

■ 63.3270, 66.3913,
96.1856

Harmonies

Analogous

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



41.8848, 33.9781, 14.4727



34.7455, 33.9781, 10.3574



27.8825, 33.9781, 11.1104

Triad

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



34.7455, 33.9781, 10.3574



21.1103, 33.9781, 51.9052



43.8650, 33.9781, 68.2322

Complementary

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



34.7455, 33.9781, 10.3574



18.5486, 17.5116, 54.6268

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.



37.1504, 33.9781, 87.1049



34.7455, 33.9781, 10.3574



24.2938, 33.9781, 75.5400

Square

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



34.7455, 33.9781, 10.3574



20.6616, 33.9781, 30.5629



29.9628, 33.9781, 90.1821



47.6365, 33.9781, 44.2747

Rectangle

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



34.7455, 33.9781, 10.3574



24.3284, 33.9781, 14.4190



29.9628, 33.9781, 90.1821



41.8351, 33.9781, 75.7019

Sweetspot

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



34.7463, 33.9798, 10.3581



82.8630, 86.5740, 71.0865



28.0205, 17.2432, 18.2430



17.3872, 18.1302, 14.1817



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.



34.7463, 33.9798, 10.3581



58.8824, 55.3988, 11.3438



39.4199, 49.5011, 13.1077



10.5967, 11.1249, 10.6507



19.4249, 17.1356, 2.2837



0.9028, 0.8675, 0.1199

Inverse Universe

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



18.5486, 17.5116, 54.6268



27.4233, 23.5374, 97.7055



15.9239, 10.2174, 53.3572



9.8203, 10.3319, 12.7615



7.9245, 5.6054, 34.2209



0.4082, 0.3737, 1.5005

Previews

White Background



This preview shows how the XYZ color 34.7455, 33.9781, 10.3574 looks on a white background.

Color Contrast Check

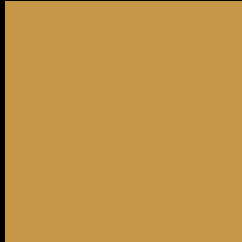
Large Text (above 18pt) WCAG AA × Fail

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 34.7455, 33.9781, 10.3574 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 34.7455, 33.9781, 10.3574

Background



This preview shows how black text looks on a background with the XYZ color 34.7455, 33.9781, 10.3574.



This preview shows how white text looks on a background with the XYZ color 34.7455, 33.9781,

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

34.7455, 33.9781, 10.3574

Protanopia

31.0434, 34.0226, 10.8921

Deuteranopia

34.7455, 33.9781, 10.3574



Tritanopia

39.5495, 33.8733, 34.1595

Trichromacy



Original Color

34.7455, 33.9781, 10.3574

Protanomaly

32.3553, 33.9522, 10.6425

Deuteranomaly

34.7455, 33.9781, 10.3574

Tritanomaly

37.3055, 33.6310, 22.9376

Monochromacy



Original Color

34.7455, 33.9781, 10.3574

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.6069, 32.7837, 23.7308

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7455, 33.9781, 10.3574 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(196, 150, 69)` looks like.

```
.text, #text, p{  
    color:rgb(196, 150, 69)  
}
```

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(196, 150, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 150, 69) }
```

Border

The CSS property to change the border of an element to XYZ 34.7455, 33.9781, 10.3574 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(196, 150, 69) }
```


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

```
.border{ border-color:rgb(196, 150, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 150, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 150, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 150, 69);  
box-shadow:4px 4px 4px 4px rgb(196, 150,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7455, 33.9781, 10.3574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 150, 69) }
```

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

```
.background{ background-color: rgb(196,  
150, 69) }
```

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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