

Converting Colors

$Y_{xy}(34.7581, 0.4412, 0.4536)$

Have a look what the booklet for
Yxy(34.7581, 0.4412, 0.4536)
contains.

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Color

Yxy(34.7581, 0.4412, 0.4536)

Conversions

Conversions Part 1

Format	Color
Hex	BF9B33
RGB	191, 155, 51
RGB Percent	75%, 61%, 20%
CMY	0.2509, 0.3922, 0.7999
CMYK	0.00, 0.19, 0.73, 0.25
HSL	45°, 58%, 47%
HSV	45°, 73%, 75%
XYZ	33.8079, 34.7581, 8.0612
YIQ	153.9080, 54.8400, -24.7120

Conversions

Conversions Part 2

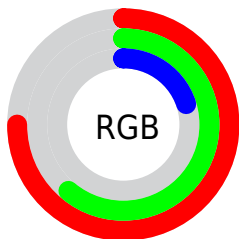
Format	Color
R _Y B	99, 191, 51
Decimal	12557107
CIE Lab	65.56, 2.72, 56.64
CIE LCh	66, 56.705, 87.256
Yxy	34.7581, 0.4412, 0.4536
Android (android.graphics.Color)	4290747187 (0xFFBF9B33)
YUV	153.9080, -50.7336, 32.5297
Hunter-Lab	58.9560, -0.8134, 33.1623

Details

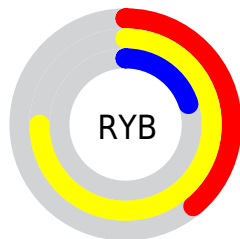
The Yxy color **34.7581, 0.4412, 0.4536** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **11.2890, 0.1861, 0.1481**, and the grayscale version is **32.4836, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.1096, 0.4204, 0.4335**, and **14.9690, 0.4639, 0.4698** is the 20% darker color. If you saturate the color by 10%, you get **33.0218, 0.4556, 0.4605**, and if you desaturate by 10%, it is **36.6335, 0.4245, 0.4423**.

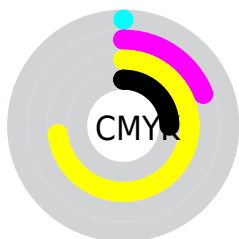
Distribution



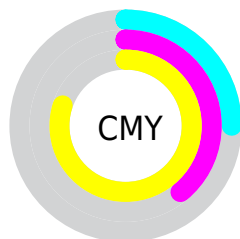
- Red (75%)
- Green (61%)
- Blue (20%)



- Red (39%)
- Yellow (75%)
- Blue (20%)



- Cyan (0%)
- Magenta (19%)
- Yellow (73%)
- Black (25%)





- Cyan (25%)
- Magenta (39%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.7581, 0.4412, 0.4536 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 Yxy color 34.7581, 0.4412, 0.4536 by changing the saturation by 10% instead.


 34.7581, 0.4412,
0.4536


 34.7581, 0.4412,
0.4536


323.4993, 0.3789,
0.3943


 23.4766, 0.4543,
0.4655


 67.1109, 0.4200,
0.4338

 14.9458, 0.4688,
0.4784


 88.9509, 0.4115,
0.4257

 8.7814, 0.4873,
0.4943


 115.0792, 0.4042,
0.4187

 4.5989, 0.4986,
0.5014

 145.8803, 0.3978,
0.4125

 2.0139, 0.5021,
0.4979

 181.7384, 0.3921,
0.4071

 0.6155, 0.5141,
0.4859

 223.0380, 0.3872,

 0.0000, 0.0000,

0.4023

0.0000

270.1635, 0.3828,
0.3981

■ 34.7581, 0.4412,
0.4536

■ 34.7581, 0.4412,
0.4536

■ 33.0218, 0.4556,
0.4605

■ 36.6335, 0.4245,
0.4423

■ 31.4098, 0.4671,
0.4627

■ 38.6513, 0.4062,
0.4275

■ 30.3864, 0.4736,
0.4621

■ 40.8205, 0.3874,
0.4103

■ 43.1478, 0.3686,
0.3916

■ 45.6392, 0.3505,
0.3724

■ 48.3003, 0.3334,
0.3533

■ 51.1365, 0.3176,
0.3349

■ 54.1527, 0.3032,
0.3174

■ 57.3537, 0.2901,
0.3010

Harmonies

Analogous

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



34.7581, 0.4817, 0.3944



34.7581, 0.4412, 0.4536



34.7581, 0.3697, 0.4896

Triad

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



34.7581, 0.4412, 0.4536



34.7581, 0.1753, 0.2934



34.7581, 0.3193, 0.2293

Complementary

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



34.7581, 0.4412, 0.4536



11.2890, 0.1861, 0.1481

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.



34.7581, 0.2399, 0.2038



34.7581, 0.4412, 0.4536



34.7581, 0.1666, 0.2305

Square

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



34.7581, 0.4412, 0.4536



34.7581, 0.2168, 0.3864



34.7581, 0.1882, 0.2027



34.7581, 0.4086, 0.2747

Rectangle

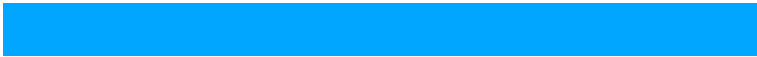
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



34.7581, 0.4412, 0.4536



34.7581, 0.3148, 0.4835



34.7581, 0.1882, 0.2027



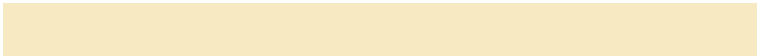
34.7581, 0.2904, 0.2184

Sweetspot

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



34.7598, 0.4412, 0.4536



82.1614, 0.3488, 0.3706



14.1583, 0.4953, 0.2868



17.7648, 0.3537, 0.3759



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



34.7598, 0.4412, 0.4536



57.3448, 0.4630, 0.4624



44.8118, 0.3785, 0.5079



10.6937, 0.3270, 0.3460



20.1013, 0.4727, 0.4628



0.8872, 0.4574, 0.4751

Inverse Universe

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



11.2890, 0.1861, 0.1481



13.6131, 0.1666, 0.1097



8.0022, 0.1966, 0.1107



9.6137, 0.2984, 0.3115



4.0355, 0.1589, 0.0921



0.2677, 0.1725, 0.1410

Previews

White Background



This preview shows how the Yxy color 34.7581, 0.4412, 0.4536 looks on a white background.

Color Contrast Check

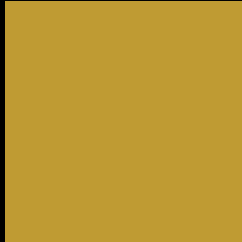
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 34.7581, 0.4412, 0.4536 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](#).

Yxy 34.7581, 0.4412, 0.4536

Background



This preview shows how black text looks on a background with the Yxy color 34.7581, 0.4412, 0.4536.

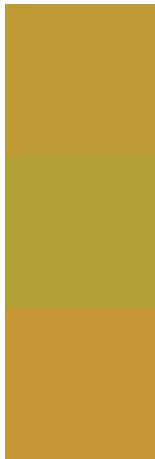


This preview shows how white text looks on a background with the Yxy color 34.7581, 0.4412, 0.4536.

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

34.7581, 0.4412, 0.4536

Protanopia

34.8545, 0.4223, 0.4665

Deuteranopia

34.5233, 0.4528, 0.4436



Tritanopia

34.7932, 0.3589, 0.3147

Trichromacy



Original Color

34.7581, 0.4412, 0.4536

Protanomaly

34.7689, 0.4294, 0.4611

Deuteranomaly

34.4402, 0.4488, 0.4465

Tritanomaly

34.5387, 0.3947, 0.3706

Monochromacy



Original Color

34.7581, 0.4412, 0.4536

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.6110, 0.3620, 0.3845

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7581, 0.4412, 0.4536 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(191, 155, 51)` looks like.

```
.text, #text, p{  
    color:rgb(191, 155, 51)  
}
```

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(191, 155, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 155, 51) }
```

Border

The CSS property to change the border of an element to Yxy 34.7581, 0.4412, 0.4536 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(191, 155, 51) }
```

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

```
.border{ border-color:rgb(191, 155, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 155, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 155, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 155, 51);  
box-shadow:4px 4px 4px 4px rgb(191, 155,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7581, 0.4412, 0.4536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 155, 51) }
```

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

```
.background{ background-color: rgb(191,  
155, 51) }
```

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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