

Converting Colors

$Y_{xy}(34.6184, 0.4571, 0.4365)$

Have a look what the booklet for
Yxy(34.6184, 0.4571, 0.4365)
contains.

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Color

Yxy(34.6081, 0.4581, 0.4363)

Conversions

Conversions Part 1

Format	Color
Hex	CC9537
RGB	204, 149, 55
RGB Percent	80%, 58%, 22%
CMY	0.2000, 0.4157, 0.7844
CMYK	0.00, 0.27, 0.73, 0.20
HSL	38°, 59%, 51%
HSV	38°, 73%, 80%
XYZ	36.3373, 34.6081, 8.3764
YIQ	154.7290, 62.9540, -17.5740

Conversions

Conversions Part 2

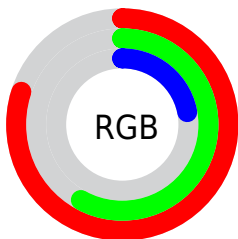
Format	Color
RYB	142, 204, 55
Decimal	13407543
CIELab	65.44, 11.85, 55.36
CIELCh	65, 56.610, 77.922
Yxy	34.6081, 0.4581, 0.4363
Android (android.graphics.Color)	4291597623 (0xFFCC9537)
YUV	154.7290, -49.1664, 43.2107
Hunter-Lab	58.8286, 7.3058, 32.7380

Details

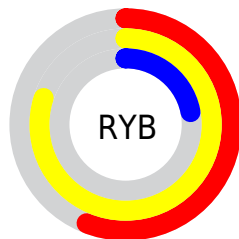
The Yxy color **34.6081, 0.4581, 0.4363** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **16.3153, 0.1926, 0.1742**, and the grayscale version is **32.8529, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.0334, 0.4256, 0.4242**, and **14.7551, 0.4891, 0.4498** is the 20% darker color. If you saturate the color by 10%, you get **32.1475, 0.4775, 0.4412**, and if you desaturate by 10%, it is **37.3069, 0.4367, 0.4269**.

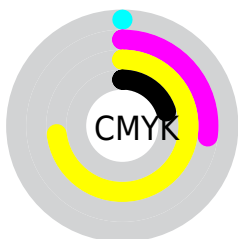
Distribution



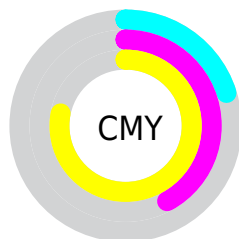
- Red (80%)
- Green (58%)
- Blue (22%)



- Red (56%)
- Yellow (80%)
- Blue (22%)



- Cyan (0%)
- Magenta (27%)
- Yellow (73%)
- Black (20%)





- Cyan (20%)
- Magenta (42%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.6081, 0.4581, 0.4363 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 34.6081, 0.4581, 0.4363 by changing the saturation by 10% instead.


 34.6081, 0.4581,
0.4363


 34.6081, 0.4581,
0.4363


322.8351, 0.3862,
0.3874


 23.3611, 0.4739,
0.4452

 66.8782, 0.4332,
0.4206

 14.8604, 0.4921,
0.4541


 88.6701, 0.4233,
0.4140


 8.7215, 0.5151,
0.4636


 114.7459, 0.4149,
0.4082

 4.5600, 0.5354,
0.4646

 145.4898, 0.4076,
0.4030

 1.9915, 0.5500,
0.4500

 181.2863, 0.4012,
0.3984

 0.6025, 0.5886,
0.4114

 222.5197, 0.3956,

 0.0000, 0.0000,

0.3943

0.0000

269.5745, 0.3906,
0.3907

■ 34.6081, 0.4581,
0.4363

■ 34.6081, 0.4581,
0.4363

■ 32.1475, 0.4775,
0.4412

■ 37.3069, 0.4367,
0.4269

■ 29.9063, 0.4938,
0.4409

■ 40.2505, 0.4145,
0.4141

■ 28.4638, 0.5037,
0.4383

■ 43.4510, 0.3924,
0.3990

■ 46.9179, 0.3713,
0.3827

■ 50.6602, 0.3516,
0.3659

■ 54.6861, 0.3336,
0.3495

■ 59.0035, 0.3173,
0.3336

■ 63.6198, 0.3028,
0.3187

■ 68.5423, 0.2898,
0.3049

Harmonies

Analogous

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



34.6081, 0.4847, 0.3748



34.6081, 0.4581, 0.4363



34.6081, 0.3940, 0.4829

Triad

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



34.6081, 0.4581, 0.4363



34.6081, 0.1846, 0.3202



34.6081, 0.2922, 0.2190

Complementary

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



34.6081, 0.4581, 0.4363



16.3153, 0.1926, 0.1742

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.



34.6081, 0.2206, 0.2007



34.6081, 0.4581, 0.4363



34.6081, 0.1660, 0.2462

Square

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



34.6081, 0.4581, 0.4363



34.6081, 0.2363, 0.4160



34.6081, 0.1783, 0.2080



34.6081, 0.3818, 0.2589

Rectangle

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



34.6081, 0.4581, 0.4363



34.6081, 0.3406, 0.4901



34.6081, 0.1783, 0.2080



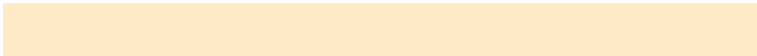
34.6081, 0.2654, 0.2103

Sweetspot

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



34.6098, 0.4581, 0.4363



84.3952, 0.3502, 0.3647



16.7391, 0.4635, 0.2658



17.6876, 0.3554, 0.3693



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



34.6098, 0.4581, 0.4363



50.9373, 0.4879, 0.4416



53.9740, 0.3936, 0.4978



12.3736, 0.3275, 0.3436



18.0997, 0.5022, 0.4395



1.0757, 0.4819, 0.4555

Inverse Universe

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



16.3153, 0.1926, 0.1742



19.4053, 0.1741, 0.1376



8.4816, 0.1838, 0.1042



11.5107, 0.2983, 0.3140



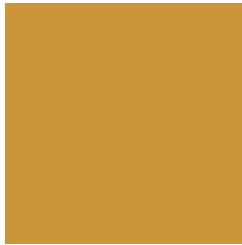
6.0987, 0.1664, 0.1188



0.4587, 0.1775, 0.1589

Previews

White Background



This preview shows how the Yxy color 34.6081, 0.4581, 0.4363 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 34.6081, 0.4581, 0.4363 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 34.6081, 0.4581, 0.4363

Background



This preview shows how black text looks on a background with the Yxy color 34.6081, 0.4581, 0.4363.



This preview shows how white text looks on a background with the Yxy color 34.6081, 0.4581, 0.4363.

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

34.6081, 0.4581, 0.4363

Protanopia

34.9121, 0.4188, 0.4613

Deuteranopia

34.5417, 0.4517, 0.4421



Tritanopia

34.6598, 0.3787, 0.3166

Trichromacy



Original Color

34.6081, 0.4581, 0.4363

Protanomaly

34.6371, 0.4326, 0.4524

Deuteranomaly

34.4965, 0.4547, 0.4399

Tritanomaly

34.2926, 0.4141, 0.3648

Monochromacy



Original Color

34.6081, 0.4581, 0.4363

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

32.9986, 0.3669, 0.3789

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6081, 0.4581, 0.4363 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(204, 149, 55)` looks like.

```
.text, #text, p{  
    color:rgb(204, 149, 55)  
}
```

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(204, 149, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 149, 55) }
```

Border

The CSS property to change the border of an element to Yxy 34.6081, 0.4581, 0.4363 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(204, 149, 55) }
```

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

```
.border{ border-color:rgb(204, 149, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 149, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 149, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 149, 55);  
box-shadow:4px 4px 4px 4px rgb(204, 149,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6081, 0.4581, 0.4363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 149, 55) }
```

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

```
.background{ background-color: rgb(204,  
149, 55) }
```

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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