

Converting Colors

$Y_{xy}(33.9020, 0.4490, 0.4216)$

Have a look what the booklet for
Yxy(33.9020, 0.4490, 0.4216)
contains.

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Color

Yxy(34.0061, 0.4486, 0.4218)

Conversions

Conversions Part 1

Format	Color
Hex	CB9346
RGB	203, 147, 70
RGB Percent	80%, 58%, 27%
CMY	0.2039, 0.4235, 0.7256
CMYK	0.00, 0.28, 0.66, 0.20
HSL	35°, 56%, 54%
HSV	35°, 66%, 80%
XYZ	36.1668, 34.0061, 10.4485
YIQ	154.9660, 58.0930, -12.0750

Conversions

Conversions Part 2

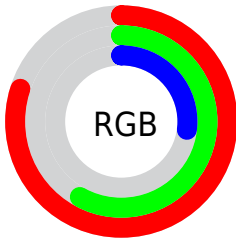
Format	Color
RYB	167, 203, 70
Decimal	13341510
CIELab	64.97, 13.32, 48.03
CIElCh	65, 49.848, 74.497
Yxy	34.0061, 0.4486, 0.4218
Android (android.graphics.Color)	4291531590 (0xFFCB9346)
YUV	154.9660, -41.8882, 42.1258
Hunter-Lab	58.3147, 8.6547, 30.1971

Details

The Yxy color **34.0061, 0.4486, 0.4218** 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 **20.5273, 0.2063, 0.2039**, and the grayscale version is **32.9323, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4138, 0.4175, 0.4101**, and **14.6128, 0.4835, 0.4399** is the 20% darker color. If you saturate the color by 10%, you get **31.2337, 0.4720, 0.4291**, and if you desaturate by 10%, it is **37.0659, 0.4244, 0.4108**.

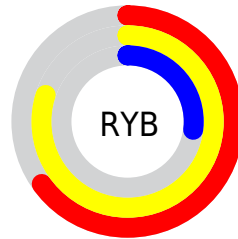
Distribution



Red (80%)

Green (58%)

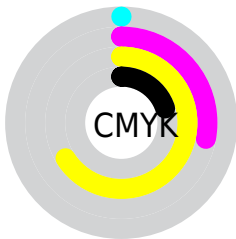
Blue (27%)



Red (65%)

Yellow (80%)

Blue (27%)

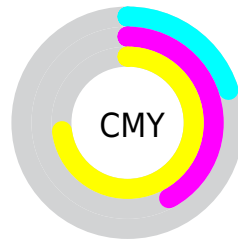


Cyan (0%)

Magenta (28%)

Yellow (66%)

Black (20%)



Cyan (20%)

Magenta (42%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.0061, 0.4486, 0.4218 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 34.0061, 0.4486, 0.4218 by changing the saturation by 10% instead.


 34.0061, 0.4486,
0.4218


 34.0061, 0.4486,
0.4218


320.1593, 0.3797,
0.3786


 22.8983, 0.4647,
0.4303


 65.9432, 0.4240,
0.4075

 14.5184, 0.4842,
0.4392


 87.5412, 0.4146,
0.4017


 8.4821, 0.5074,
0.4474


 113.4047, 0.4066,
0.3966

 4.4050, 0.5418,
0.4582

 143.9182, 0.3996,
0.3921

 1.9026, 0.5584,
0.4416

 179.4660, 0.3937,
0.3881

 0.5499, 0.6066,
0.3934

220.4325, 0.3884,

 0.0000, 0.0000,

0.3845

0.0000

267.2021, 0.3838,
0.3814

■ 34.0061, 0.4486,
0.4218

■ 34.0061, 0.4486,
0.4218

■ 31.2337, 0.4720,
0.4291

■ 37.0659, 0.4244,
0.4108

■ 28.7302, 0.4932,
0.4317

■ 40.4201, 0.4006,
0.3972

■ 26.4817, 0.5111,
0.4288

■ 44.0813, 0.3780,
0.3823

■ 25.5473, 0.5185,
0.4265

■ 48.0597, 0.3571,
0.3668

■ 52.3650, 0.3382,
0.3515

■ 57.0062, 0.3213,
0.3368

■ 61.9920, 0.3062,
0.3229

■ 67.3306, 0.2930,
0.3099

■ 73.0300, 0.2813,
0.2980

Harmonies

Analogous

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



34.0061, 0.4657, 0.3662



34.0061, 0.4486, 0.4218



34.0061, 0.3950, 0.4636

Triad

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



34.0061, 0.4486, 0.4218



34.0061, 0.2017, 0.3316



34.0061, 0.2865, 0.2264

Complementary

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



34.0061, 0.4486, 0.4218



20.5273, 0.2063, 0.2039

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.



34.0061, 0.2242, 0.2123



34.0061, 0.4486, 0.4218



34.0061, 0.1804, 0.2620

Square

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



34.0061, 0.4486, 0.4218



34.0061, 0.2524, 0.4140



34.0061, 0.1884, 0.2227



34.0061, 0.3653, 0.2610

Rectangle

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



34.0061, 0.4486, 0.4218



34.0061, 0.3480, 0.4716



34.0061, 0.1884, 0.2227



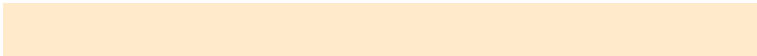
34.0061, 0.2632, 0.2192

Sweetspot

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



34.0078, 0.4486, 0.4218



84.1996, 0.3469, 0.3587



18.6226, 0.4287, 0.2602



17.5866, 0.3524, 0.3631



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.



34.0078, 0.4486, 0.4218



50.3484, 0.4819, 0.4309



54.6388, 0.3947, 0.4820



12.2745, 0.3276, 0.3424



16.4424, 0.5167, 0.4279



0.9964, 0.4927, 0.4470

Inverse Universe

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



20.5273, 0.2063, 0.2039



26.2681, 0.1873, 0.1716



10.3454, 0.1922, 0.1229



11.6071, 0.2983, 0.3152



7.0954, 0.1705, 0.1339



0.5151, 0.1813, 0.1728

Previews

White Background



This preview shows how the Yxy color 34.0061, 0.4486, 0.4218 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 34.0061, 0.4486, 0.4218 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 34.0061, 0.4486, 0.4218

Background



This preview shows how black text looks on a background with the Yxy color 34.0061, 0.4486, 0.4218.



This preview shows how white text looks on a background with the Yxy color 34.0061, 0.4486, 0.4218.

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

34.0061, 0.4486, 0.4218

Protanopia

34.0487, 0.4072, 0.4457

Deuteranopia

33.9781, 0.4394, 0.4297



Tritanopia

33.9022, 0.3795, 0.3153

Trichromacy



Original Color

34.0061, 0.4486, 0.4218

Protanomaly

33.8934, 0.4220, 0.4369

Deuteranomaly

34.0667, 0.4434, 0.4270

Tritanomaly

33.6712, 0.4087, 0.3561

Monochromacy



Original Color

34.0061, 0.4486, 0.4218

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

32.6824, 0.3612, 0.3703

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0061, 0.4486, 0.4218 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(203, 147, 70)` looks like.

```
.text, #text, p{  
    color:rgb(203, 147, 70)  
}
```

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(203, 147, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 147, 70) }
```

Border

The CSS property to change the border of an element to Yxy 34.0061, 0.4486, 0.4218 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(203, 147, 70) }
```

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

```
.border{ border-color:rgb(203, 147, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 147, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 147, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 147, 70);  
box-shadow:4px 4px 4px 4px rgb(203, 147,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0061, 0.4486, 0.4218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 147, 70) }
```

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

```
.background{ background-color: rgb(203,  
147, 70) }
```

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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