

Converting Colors

$Y_{xy}(32.9003, 0.4521, 0.4265)$

Have a look what the booklet for
Yxy(32.9003, 0.4521, 0.4265)
contains.

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Color

Yxy(32.9003, 0.4521, 0.4265)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | C89140 |
| RGB | 200, 145, 64 |
| RGB Percent | 78%, 57%, 25% |
| CMY | 0.2156, 0.4314, 0.7490 |
| CMYK | 0.00, 0.28, 0.68, 0.22 |
| HSL | 36°, 55%, 52% |
| HSV | 36°, 68%, 78% |
| XYZ | 34.8751, 32.9003, 9.3648 |
| YIQ | 152.2110, 58.7810, -13.5310 |

Conversions

Conversions Part 2

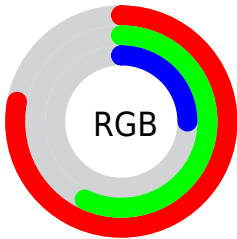
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 156, 200, 64 |
| Decimal | 13144384 |
| CIELab | 64.08, 12.78, 49.79 |
| CIElCh | 64, 51.401, 75.600 |
| Yxy | 32.9003, 0.4521, 0.4265 |
| Android (android.graphics.Color) | 4291334464 (0xFFC89140) |
| YUV | 152.2110, -43.4880, 41.9110 |
| Hunter-Lab | 57.3588, 8.1531, 30.4710 |

Details

The Yxy color **32.9003, 0.4521, 0.4265** 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 **18.4659, 0.2019, 0.1947**, and the grayscale version is **31.6698, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.3447, 0.4229, 0.4136**, and **13.9527, 0.4876, 0.4449** is the 20% darker color. If you saturate the color by 10%, you get **30.3278, 0.4743, 0.4331**, and if you desaturate by 10%, it is **35.7339, 0.4287, 0.4159**.

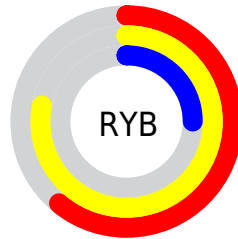
Distribution



Red (78%)

Green (57%)

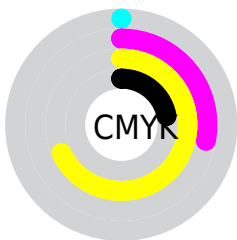
Blue (25%)



Red (61%)

Yellow (78%)

Blue (25%)

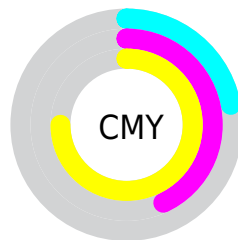


Cyan (0%)

Magenta (28%)

Yellow (68%)

Black (22%)



Cyan (22%)


Magenta (43%)

Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.9003, 0.4521, 0.4265 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 32.9003, 0.4521, 0.4265 by changing the saturation by 10% instead.

 32.9003, 0.4521,
0.4265


 32.9003, 0.4521,
0.4265


315.2002, 0.3815,
0.3811

 22.0501, 0.4684,
0.4352


 64.2198, 0.4270,
0.4116


 13.8937, 0.4879,
0.4443


 85.4580, 0.4173,
0.4054


 8.0468, 0.5117,
0.4530

 110.9275, 0.4091,
0.4000

 4.1249, 0.5407,
0.4593

 141.0128, 0.4020,
0.3953

 1.7437, 0.5576,
0.4424

 176.0984, 0.3958,
0.3911

 0.4517, 0.6214,
0.3786

216.5685, 0.3905,

 0.0000, 0.0000,

0.3874

0.0000

262.8077, 0.3857,
0.3841

■ 32.9003, 0.4521,
0.4265

■ 32.9003, 0.4521,
0.4265

■ 30.3278, 0.4743,
0.4331

■ 35.7339, 0.4287,
0.4159

■ 27.9986, 0.4940,
0.4347

■ 38.8351, 0.4053,
0.4025

■ 25.8970, 0.5104,
0.4313

■ 42.2159, 0.3828,
0.3875

■ 25.4984, 0.5136,
0.4304

■ 45.8859, 0.3618,
0.3717

■ 49.8540, 0.3425,
0.3560

■ 54.1287, 0.3252,
0.3407

■ 58.7181, 0.3098,
0.3262

■ 63.6298, 0.2961,
0.3126

■ 68.8712, 0.2840,
0.3000

Harmonies

Analogous

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



32.9003, 0.4721, 0.3690



32.9003, 0.4521, 0.4265



32.9003, 0.3951, 0.4699

Triad

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



32.9003, 0.4521, 0.4265



32.9003, 0.1960, 0.3282



32.9003, 0.2881, 0.2238

Complementary

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



32.9003, 0.4521, 0.4265



18.4659, 0.2019, 0.1947

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.



32.9003, 0.2228, 0.2084



32.9003, 0.4521, 0.4265



32.9003, 0.1755, 0.2569

Square

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



32.9003, 0.4521, 0.4265



32.9003, 0.2472, 0.4151



32.9003, 0.1849, 0.2178



32.9003, 0.3704, 0.2601

Rectangle

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



32.9003, 0.4521, 0.4265



32.9003, 0.3459, 0.4777



32.9003, 0.1849, 0.2178



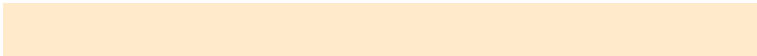
32.9003, 0.2636, 0.2161

Sweetspot

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



32.9019, 0.4521, 0.4265



84.6736, 0.3468, 0.3595



17.3238, 0.4394, 0.2616



17.7004, 0.3522, 0.3640



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.



32.9019, 0.4521, 0.4265



50.3556, 0.4849, 0.4346



52.4683, 0.3946, 0.4872



11.6693, 0.3275, 0.3427



16.3884, 0.5120, 0.4317



0.9155, 0.4877, 0.4510

Inverse Universe

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



18.4659, 0.2019, 0.1947



23.8975, 0.1828, 0.1605



9.3498, 0.1894, 0.1166



10.9802, 0.2983, 0.3149



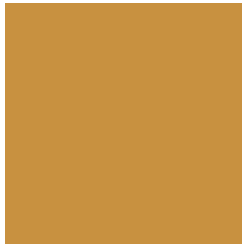
6.5515, 0.1693, 0.1293



0.4517, 0.1809, 0.1714

Previews

White Background



This preview shows how the Yxy color 32.9003, 0.4521, 0.4265 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 32.9003, 0.4521, 0.4265 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 32.9003, 0.4521, 0.4265

Background



This preview shows how black text looks on a background with the Yxy color 32.9003, 0.4521, 0.4265.



This preview shows how white text looks on a background with the Yxy color 32.9003, 0.4521, 0.4265.

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

32.9003, 0.4521, 0.4265

Protanopia

33.0664, 0.4111, 0.4511

Deuteranopia

32.8761, 0.4426, 0.4346



Tritanopia

32.8367, 0.3792, 0.3151

Trichromacy



Original Color

32.9003, 0.4521, 0.4265

Protanomaly

32.9171, 0.4261, 0.4419

Deuteranomaly

32.9621, 0.4467, 0.4319

Tritanomaly

32.5870, 0.4100, 0.3578

Monochromacy



Original Color

32.9003, 0.4521, 0.4265

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

31.2860, 0.3632, 0.3725

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9003, 0.4521, 0.4265 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(200, 145, 64)` looks like.

```
.text, #text, p{  
    color:rgb(200, 145, 64)  
}
```

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(200, 145, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 145, 64) }
```

Border

The CSS property to change the border of an element to Yxy 32.9003, 0.4521, 0.4265 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(200, 145, 64) }
```

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

```
.border{ border-color:rgb(200, 145, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 145, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 145, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 145, 64);  
box-shadow:4px 4px 4px 4px rgb(200, 145,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9003, 0.4521, 0.4265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 145, 64) }
```

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

```
.background{ background-color: rgb(200,  
145, 64) }
```

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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