

Converting Colors

$Y_{xy}(33.3520, 0.4606, 0.4543)$

Have a look what the booklet for
Yxy(33.3520, 0.4606, 0.4543)
contains.

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Color

Yxy(33.3520, 0.4606, 0.4543)

Conversions

Conversions Part 1

Format	Color
Hex	C49523
RGB	196, 149, 35
RGB Percent	77%, 58%, 14%
CMY	0.2314, 0.4157, 0.8626
CMYK	0.00, 0.24, 0.82, 0.23
HSL	42°, 70%, 45%
HSV	42°, 82%, 77%
XYZ	33.8145, 33.3520, 6.2475
YIQ	150.0570, 64.6060, -25.4900

Conversions

Conversions Part 2

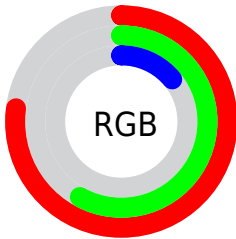
Format	Color
RYB	101, 196, 35
Decimal	12883235
CIELab	64.44, 7.54, 61.56
CIElCh	64, 62.019, 83.013
Yxy	33.3520, 0.4606, 0.4543
Android (android.graphics.Color)	4291073315 (0xFFC49523)
YUV	150.0570, -56.7231, 40.2920
Hunter-Lab	57.7512, 3.4508, 34.0118

Details

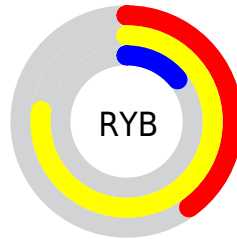
The Yxy color **33.3520, 0.4606, 0.4543** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **10.3797, 0.1763, 0.1338**, and the grayscale version is **30.7518, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.7272, 0.4351, 0.4367**, and **14.2420, 0.4769, 0.4596** is the 20% darker color. If you saturate the color by 10%, you get **31.5017, 0.4739, 0.4563**, and if you desaturate by 10%, it is **35.3595, 0.4444, 0.4475**.

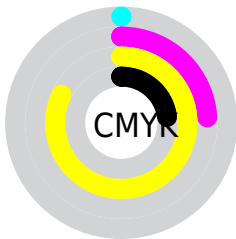
Distribution



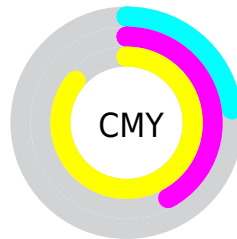
- Red (77%)
- Green (58%)
- Blue (14%)



- Red (40%)
- Yellow (77%)
- Blue (14%)



- Cyan (0%)
- Magenta (24%)
- Yellow (82%)
- Black (23%)





- Cyan (23%)
- Magenta (42%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.3520, 0.4606, 0.4543 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 33.3520, 0.4606, 0.4543 by changing the saturation by 10% instead.


 33.3520, 0.4606,
0.4543


 33.3520, 0.4606,
0.4543


317.2329, 0.3892,
0.3971


 22.3962, 0.4750,
0.4643


 64.9247, 0.4366,
0.4362


 14.1483, 0.4907,
0.4739


 86.3104, 0.4269,
0.4285

 8.2239, 0.5129,
0.4871


 111.9416, 0.4185,
0.4216

 4.2386, 0.5191,
0.4809

 142.2026, 0.4111,
0.4156

 1.8079, 0.5292,
0.4708

 177.4778, 0.4046,
0.4102

 0.4921, 0.5698,
0.4302

 218.1517, 0.3989,

 0.0000, 0.0000,

0.4053

0.0000

264.6086, 0.3938,
0.4010

■ 33.3520, 0.4606,
0.4543

■ 33.3520, 0.4606,
0.4543

■ 31.5017, 0.4739,
0.4563

■ 35.3595, 0.4444,
0.4475

■ 30.1371, 0.4826,
0.4550

■ 37.5300, 0.4261,
0.4363

■ 39.8742, 0.4066,
0.4218

■ 42.4003, 0.3868,
0.4050

■ 45.1155, 0.3674,
0.3869

■ 48.0268, 0.3489,
0.3684

■ 51.1402, 0.3317,
0.3502

■ 54.4620, 0.3159,
0.3326

■ 57.9975, 0.3016,
0.3160

Harmonies

Analogous

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



33.3520, 0.5004, 0.3875



33.3520, 0.4606, 0.4543



33.3520, 0.3849, 0.5034

Triad

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



33.3520, 0.4606, 0.4543



33.3520, 0.1669, 0.3012



33.3520, 0.3055, 0.2153

Complementary

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



33.3520, 0.4606, 0.4543



10.3797, 0.1763, 0.1338

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.



33.3520, 0.2227, 0.1913



33.3520, 0.4606, 0.4543



33.3520, 0.1536, 0.2274

Square

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



33.3520, 0.4606, 0.4543



33.3520, 0.2159, 0.4083



33.3520, 0.1722, 0.1935



33.3520, 0.4054, 0.2612

Rectangle

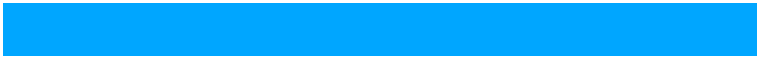
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33.3520, 0.4606, 0.4543



33.3520, 0.3257, 0.5063



33.3520, 0.1722, 0.1935



33.3520, 0.2747, 0.2046

Sweetspot

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



33.3537, 0.4606, 0.4543



85.2495, 0.3548, 0.3745



13.5680, 0.5189, 0.2823



17.8442, 0.3614, 0.3811



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.



33.3537, 0.4606, 0.4543



54.4404, 0.4828, 0.4544



47.4686, 0.3852, 0.5178



11.2456, 0.3272, 0.3452



19.5208, 0.4815, 0.4559



0.9576, 0.4646, 0.4693

Inverse Universe

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



10.3797, 0.1763, 0.1338



12.4382, 0.1603, 0.0964



6.3902, 0.1790, 0.0887



10.2164, 0.2984, 0.3122



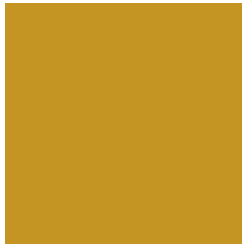
4.5853, 0.1610, 0.0996



0.3207, 0.1739, 0.1462

Previews

White Background



This preview shows how the Yxy color 33.3520, 0.4606, 0.4543 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 33.3520, 0.4606, 0.4543 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 33.3520, 0.4606, 0.4543

Background



This preview shows how black text looks on a background with the Yxy color 33.3520, 0.4606, 0.4543.



This preview shows how white text looks on a background with the Yxy color 33.3520, 0.4606, 0.4543.

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

33.3520, 0.4606, 0.4543

Protanopia

33.4776, 0.4304, 0.4756

Deuteranopia

33.4866, 0.4616, 0.4536



Tritanopia

33.3317, 0.3727, 0.3162

Trichromacy



Original Color

33.3520, 0.4606, 0.4543

Protanomaly

33.3059, 0.4413, 0.4681

Deuteranomaly

33.4866, 0.4616, 0.4536

Tritanomaly

33.0070, 0.4131, 0.3751

Monochromacy



Original Color

33.3520, 0.4606, 0.4543

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.1109, 0.3727, 0.3923

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3520, 0.4606, 0.4543 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, 149, 35)` looks like.

```
.text, #text, p{  
    color:rgb(196, 149, 35)  
}
```

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, 149, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 149, 35) }
```

Border

The CSS property to change the border of an element to Yxy 33.3520, 0.4606, 0.4543 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, 149, 35) }
```

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

```
.border{ border-color:rgb(196, 149, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 149, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 149, 35); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 149, 35); box-shadow:4px 4px 4px 4px rgb(196, 149, 35) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3520, 0.4606, 0.4543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 149, 35) }
```

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

```
.background{ background-color: rgb(196,  
149, 35) }
```

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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