

Converting Colors

$Y_{xy}(50.0312, 0.4556, 0.4543)$

Have a look what the booklet for
Yxy(50.0312, 0.4556, 0.4543)
contains.

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Color

Yxy(50.0201, 0.4556, 0.4543)

Conversions

Conversions Part 1

Format	Color
Hex	E8B431
RGB	232, 180, 49
RGB Percent	91%, 71%, 19%
CMY	0.0901, 0.2942, 0.8077
CMYK	0.00, 0.22, 0.79, 0.09
HSL	43°, 80%, 55%
HSV	43°, 79%, 91%
XYZ	50.1632, 50.0201, 9.9203
YIQ	180.6140, 73.0430, -29.7170

Conversions

Conversions Part 2

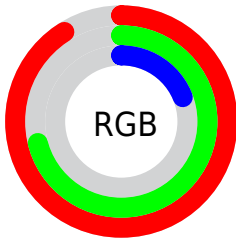
Format	Color
R_{YB}	122, 232, 49
Decimal	15250481
CIE Lab	76.08, 7.16, 68.77
CIE LCh	76, 69.138, 84.054
Yxy	50.0201, 0.4556, 0.4543
Android (android.graphics.Color)	4293440561 (0xFFE8B431)
YUV	180.6140, -64.8857, 45.0655
Hunter-Lab	70.7249, 2.8366, 41.1910

Details

The Yxy color **50.0201, 0.4556, 0.4543** is a light color, and the websafe version is hex **CC9900**. The color can be described as light washed orange. A complement of this color would be **15.8050, 0.1788, 0.1379**, and the grayscale version is **46.3211, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2915, 0.4062, 0.4528**, and **24.2090, 0.4728, 0.4628** is the 20% darker color. If you saturate the color by 10%, you get **47.2732, 0.4694, 0.4576**, and if you desaturate by 10%, it is **52.9995, 0.4390, 0.4461**.

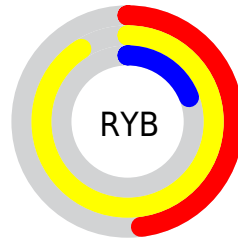
Distribution



Red (91%)

Green (71%)

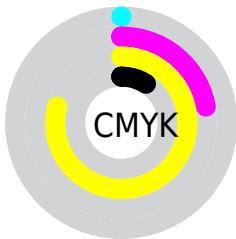
Blue (19%)



Red (48%)

Yellow (91%)

Blue (19%)

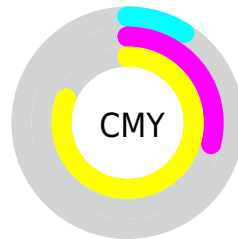


Cyan (0%)

Magenta (22%)

Yellow (79%)

Black (9%)



Cyan (9%)


Magenta (29%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.0201, 0.4556, 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 50.0201, 0.4556, 0.4543 by changing the saturation by 10% instead.


 50.0201, 0.4556,
0.4543

 50.0201, 0.4556,
0.4543


386.7445, 0.3914,
0.4007

 35.4294, 0.4679,
0.4635


 90.2047, 0.4349,
0.4378


 23.9938, 0.4812,
0.4729


 116.5673, 0.4262,
0.4306


 15.3290, 0.4952,
0.4813


 147.6226, 0.4186,
0.4242

 9.0506, 0.5109,
0.4891

 183.7551, 0.4119,
0.4185

 4.7742, 0.5163,
0.4837

 225.3492, 0.4059,
0.4134

 2.1154, 0.5252,
0.4748

 272.7892, 0.4006,

 0.6733, 0.5475,

0.4087

0.4525

326.4595, 0.3958,
0.4045

■ 0.0000, 0.0000,
0.0000

■ 50.0201, 0.4556,
0.4543

■ 50.0201, 0.4556,
0.4543

■ 47.2732, 0.4694,
0.4576

■ 52.9995, 0.4390,
0.4461

■ 44.7291, 0.4803,
0.4562


■ 56.2194, 0.4204,
0.4337


■ 44.4504, 0.4814,
0.4559


■ 59.6953, 0.4007,
0.4182

■ 63.4390, 0.3809,
0.4006

■ 67.4613, 0.3617,
0.3820

 71.7719, 0.3434,
0.3631

 76.3802, 0.3265,
0.3447

 81.2948, 0.3110,
0.3271

 86.3377, 0.2987,
0.3133

Harmonies

Analogous

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



50.0201, 0.4956, 0.3893



50.0201, 0.4556, 0.4543



50.0201, 0.3810, 0.5000

Triad

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



50.0201, 0.4556, 0.4543



50.0201, 0.1691, 0.2991



50.0201, 0.3091, 0.2189

Complementary

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



50.0201, 0.4556, 0.4543



15.8050, 0.1788, 0.1379

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.



50.0201, 0.2271, 0.1945



50.0201, 0.4556, 0.4543



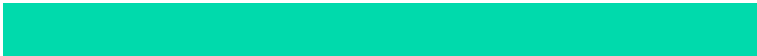
50.0201, 0.1569, 0.2282

Square

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



50.0201, 0.4556, 0.4543



50.0201, 0.2161, 0.4024



50.0201, 0.1763, 0.1959



50.0201, 0.4063, 0.2647

Rectangle

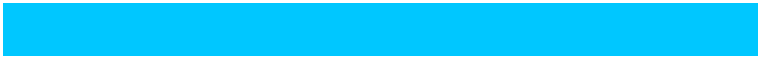
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.0201, 0.4556, 0.4543



50.0201, 0.3229, 0.5004



50.0201, 0.1763, 0.1959



50.0201, 0.2788, 0.2082

Sweetspot

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



50.0226, 0.4556, 0.4543



86.0597, 0.3529, 0.3730



20.3595, 0.5101, 0.2816



18.0167, 0.3595, 0.3798



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.



50.0226, 0.4556, 0.4543



56.4510, 0.4768, 0.4571



69.6144, 0.3847, 0.5147



16.0881, 0.3275, 0.3457



24.8938, 0.4802, 0.4569



1.9958, 0.4692, 0.4656

Inverse Universe

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



15.8050, 0.1788, 0.1379



13.2847, 0.1624, 0.1018



9.9892, 0.1825, 0.0936



14.5513, 0.2981, 0.3117



5.5815, 0.1602, 0.0965



0.5668, 0.1681, 0.1251

Previews

White Background



This preview shows how the Yxy color 50.0201, 0.4556, 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 50.0201, 0.4556, 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 50.0201, 0.4556, 0.4543

Background



This preview shows how black text looks on a background with the Yxy color 50.0201, 0.4556, 0.4543.



This preview shows how white text looks on a background with the Yxy color 50.0201, 0.4556, 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

50.0201, 0.4556, 0.4543

Protanopia

50.0543, 0.4291, 0.4727

Deuteranopia

49.9039, 0.4605, 0.4498



Tritanopia

50.0422, 0.3688, 0.3148

Trichromacy



Original Color

50.0201, 0.4556, 0.4543

Protanomaly

49.9883, 0.4393, 0.4658

Deuteranomaly

50.1327, 0.4587, 0.4512

Tritanomaly

49.3756, 0.4095, 0.3727

Monochromacy



Original Color

50.0201, 0.4556, 0.4543

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.0206, 0.3699, 0.3902

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.0201, 0.4556, 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(232, 180, 49)` looks like.

```
.text, #text, p{  
    color:rgb(232, 180, 49)  
}
```

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(232, 180, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 180, 49) }
```

Border

The CSS property to change the border of an element to Yxy 50.0201, 0.4556, 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(232, 180, 49) }
```

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

```
.border{ border-color:rgb(232, 180, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 180, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 180, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 180, 49);  
box-shadow:4px 4px 4px 4px rgb(232, 180,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 50.0201, 0.4556, 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(232, 180, 49) }
```

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

```
.background{ background-color: rgb(232,  
180, 49) }
```

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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