

Converting Colors

$Y_{xy}(30.2535, 0.4643, 0.4549)$

Have a look what the booklet for
Yxy(30.2535, 0.4643, 0.4549)
contains.

Yxy(30.2535, 0.4643, 0.4549)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.2535, 0.4643, 0.4549)

Conversions

Conversions Part 1

Format	Color
Hex	BD8E1D
RGB	189, 142, 29
RGB Percent	74%, 56%, 11%
CMY	0.2589, 0.4431, 0.8863
CMYK	0.00, 0.25, 0.85, 0.26
HSL	42°, 73%, 43%
HSV	42°, 85%, 74%
XYZ	30.8787, 30.2535, 5.3737
YIQ	143.1710, 64.2850, -25.1790

Conversions

Conversions Part 2

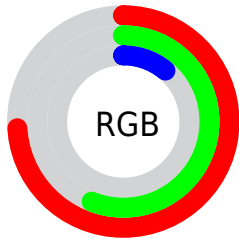
Format	Color
RYB	96, 189, 29
Decimal	12422685
CIELab	61.87, 8.07, 60.90
CIElCh	62, 61.433, 82.454
Yxy	30.2535, 0.4643, 0.4549
Android (android.graphics.Color)	4290612765 (0xFFBD8E1D)
YUV	143.1710, -56.2863, 40.1920
Hunter-Lab	55.0032, 3.9539, 32.7097

Details

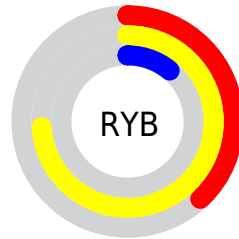
The Yxy color **30.2535, 0.4643, 0.4549** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **9.0994, 0.1738, 0.1289**, and the grayscale version is **27.7506, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.8258, 0.4395, 0.4366**, and **12.4796, 0.4816, 0.4558** is the 20% darker color. If you saturate the color by 10%, you get **28.5779, 0.4769, 0.4557**, and if you desaturate by 10%, it is **32.0716, 0.4487, 0.4492**.

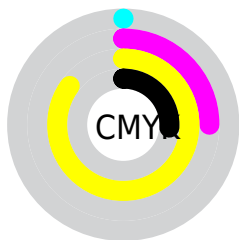
Distribution



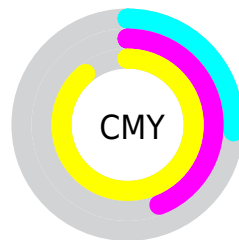
- Red (74%)
- Green (56%)
- Blue (11%)



- Red (38%)
- Yellow (74%)
- Blue (11%)



- Cyan (0%)
- Magenta (25%)
- Yellow (85%)
- Black (26%)





- Cyan (26%)
- Magenta (44%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.2535, 0.4643, 0.4549 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 30.2535, 0.4643, 0.4549 by changing the saturation by 10% instead.


 30.2535, 0.4643,
0.4549


 30.2535, 0.4643,
0.4549


303.0843, 0.3901,
0.3970


 20.0311, 0.4794,
0.4648


 60.0628, 0.4393,
0.4366

 12.4176, 0.4958,
0.4741


 80.4186, 0.4292,
0.4288

 7.0288, 0.5161,
0.4839


 104.9208, 0.4204,
0.4219

 3.4801, 0.5235,
0.4765

 133.9540, 0.4127,
0.4157

 1.3872, 0.5360,
0.4640

 167.9026, 0.4060,
0.4102

 0.2073, 0.6552,
0.3448

 207.1509, 0.4001,

 0.0000, 0.0000,

0.4053

0.0000

252.0833, 0.3948,
0.4010

■ 30.2535, 0.4643,
0.4549

■ 30.2535, 0.4643,
0.4549

■ 28.5779, 0.4769,
0.4557

■ 32.0716, 0.4487,
0.4492

■ 27.7288, 0.4829,
0.4548

■ 34.0379, 0.4308,
0.4391

■ 36.1627, 0.4115,
0.4253

■ 38.4535, 0.3917,
0.4090

■ 40.9172, 0.3721,
0.3913

■ 43.5603, 0.3534,
0.3729

■ 46.3885, 0.3359,
0.3546

■ 49.4074, 0.3197,
0.3369

■ 52.6223, 0.3051,
0.3202

Harmonies

Analogous

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



30.2535, 0.5046, 0.3865



30.2535, 0.4643, 0.4549



30.2535, 0.3874, 0.5066

Triad

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



30.2535, 0.4643, 0.4549



30.2535, 0.1647, 0.3021



30.2535, 0.3034, 0.2126

Complementary

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



30.2535, 0.4643, 0.4549



9.0994, 0.1738, 0.1289

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.



30.2535, 0.2196, 0.1887



30.2535, 0.4643, 0.4549



30.2535, 0.1507, 0.2261

Square

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



30.2535, 0.4643, 0.4549



30.2535, 0.2149, 0.4123



30.2535, 0.1690, 0.1913



30.2535, 0.4056, 0.2588

Rectangle

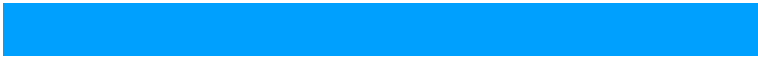
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



30.2535, 0.4643, 0.4549



30.2535, 0.3271, 0.5111



30.2535, 0.1690, 0.1913



30.2535, 0.2721, 0.2019

Sweetspot

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



30.2550, 0.4643, 0.4549



77.6661, 0.3547, 0.3743



12.2313, 0.5272, 0.2833



16.3379, 0.3612, 0.3807



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



30.2550, 0.4643, 0.4549



49.2342, 0.4841, 0.4538



43.6452, 0.3855, 0.5205



10.6344, 0.3271, 0.3451



18.7970, 0.4818, 0.4556



0.8444, 0.4636, 0.4701

Inverse Universe

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



9.0994, 0.1738, 0.1289



11.1992, 0.1599, 0.0954



5.5438, 0.1758, 0.0844



9.6697, 0.2984, 0.3123



4.4591, 0.1612, 0.1002



0.2919, 0.1752, 0.1505

Previews

White Background



This preview shows how the Yxy color 30.2535, 0.4643, 0.4549 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 30.2535, 0.4643, 0.4549 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 30.2535, 0.4643, 0.4549

Background



This preview shows how black text looks on a background with the Yxy color 30.2535, 0.4643, 0.4549.



This preview shows how white text looks on a background with the Yxy color 30.2535, 0.4643, 0.4549.

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

30.2535, 0.4643, 0.4549

Protanopia

30.3466, 0.4329, 0.4774

Deuteranopia

30.2535, 0.4643, 0.4549



Tritanopia

30.1913, 0.3754, 0.3158

Trichromacy



Original Color

30.2535, 0.4643, 0.4549

Protanomaly

30.1913, 0.4443, 0.4694

Deuteranomaly

30.2535, 0.4643, 0.4549

Tritanomaly

29.8854, 0.4176, 0.3766

Monochromacy



Original Color

30.2535, 0.4643, 0.4549

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

28.0778, 0.3743, 0.3934

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2535, 0.4643, 0.4549 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(189, 142, 29)` looks like.

```
.text, #text, p{  
    color:rgb(189, 142, 29)  
}
```

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(189, 142, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 142, 29) }
```

Border

The CSS property to change the border of an element to Yxy 30.2535, 0.4643, 0.4549 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(189, 142, 29) }
```

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

```
.border{ border-color:rgb(189, 142, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 142, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 142, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 142, 29);  
box-shadow:4px 4px 4px 4px rgb(189, 142,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2535, 0.4643, 0.4549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 142, 29) }
```

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

```
.background{ background-color: rgb(189,  
142, 29) }
```

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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