

Converting Colors

$Y_{xy}(30.7802, 0.4482, 0.4549)$

Have a look what the booklet for
Yxy(30.7802, 0.4482, 0.4549)
contains.

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Color

Yxy(30.9153, 0.4485, 0.4551)

Conversions

Conversions Part 1

Format	Color
Hex	B8922A
RGB	184, 146, 42
RGB Percent	72%, 57%, 16%
CMY	0.2784, 0.4275, 0.8354
CMYK	0.00, 0.21, 0.77, 0.28
HSL	44°, 63%, 44%
HSV	44°, 77%, 72%
XYZ	30.4670, 30.9153, 6.5485
YIQ	145.5060, 56.0320, -24.2880

Conversions

Conversions Part 2

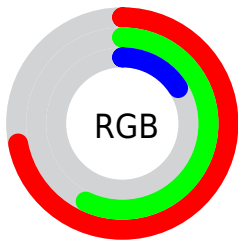
Format	Color
R _Y B	94, 184, 42
Decimal	12096042
CIE Lab	62.44, 4.10, 56.88
CIE LCh	62, 57.023, 85.874
Yxy	30.9153, 0.4485, 0.4551
Android (android.graphics.Color)	4290286122 (0xFFB8922A)
YUV	145.5060, -51.0285, 33.7592
Hunter-Lab	55.6015, 0.5067, 31.9381

Details

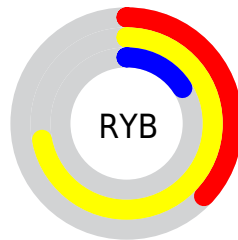
The Yxy color **30.9153, 0.4485, 0.4551** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **9.6886, 0.1815, 0.1410**, and the grayscale version is **28.7273, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.1895, 0.4252, 0.4359**, and **12.8778, 0.4684, 0.4663** is the 20% darker color. If you saturate the color by 10%, you get **29.3281, 0.4623, 0.4601**, and if you desaturate by 10%, it is **32.6315, 0.4322, 0.4455**.

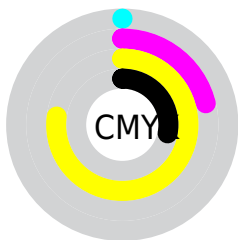
Distribution



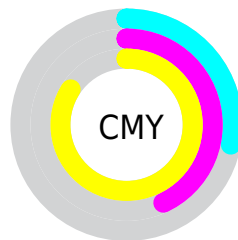
- Red (72%)
- Green (57%)
- Blue (16%)



- Red (37%)
- Yellow (72%)
- Blue (16%)



- Cyan (0%)
- Magenta (21%)
- Yellow (77%)
- Black (28%)





- Cyan (28%)
- Magenta (43%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.9153, 0.4485, 0.4551 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 30.9153, 0.4485, 0.4551 by changing the saturation by 10% instead.


 30.9153, 0.4485,
0.4551


 30.9153, 0.4485,
0.4551


306.1479, 0.3817,
0.3948

 20.5344, 0.4625,
0.4669


 61.1067, 0.4257,
0.4351

 12.7841, 0.4779,
0.4790


 81.6859, 0.4165,
0.4269


 7.2800, 0.5019,
0.4981


 106.4334, 0.4086,
0.4197

 3.6378, 0.5056,
0.4944

 135.7335, 0.4018,
0.4135

 1.4731, 0.5120,
0.4880

 169.9706, 0.3958,
0.4079

 0.2697, 0.5693,
0.4307

 209.5291, 0.3905,

 0.0000, 0.0000,

0.4030

0.0000

254.7934, 0.3858,
0.3987

■ 30.9153, 0.4485,
0.4551

■ 30.9153, 0.4485,
0.4551

■ 29.3281, 0.4623,
0.4601

■ 32.6315, 0.4322,
0.4455

■ 27.8539, 0.4732,
0.4604

■ 34.4801, 0.4141,
0.4322

■ 27.4552, 0.4761,
0.4602

■ 36.4699, 0.3951,
0.4160

■ 38.6071, 0.3761,
0.3980

■ 40.8976, 0.3575,
0.3791

■ 43.3468, 0.3400,
0.3602

■ 45.9596, 0.3236,
0.3418

■ 48.7408, 0.3087,
0.3242

■ 51.6949, 0.2951,
0.3076

Harmonies

Analogous

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



30.9153, 0.4895, 0.3926



30.9153, 0.4485, 0.4551



30.9153, 0.3748, 0.4960

Triad

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



30.9153, 0.4485, 0.4551



30.9153, 0.1713, 0.2952



30.9153, 0.3150, 0.2239

Complementary

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



30.9153, 0.4485, 0.4551



9.6886, 0.1815, 0.1410

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.



30.9153, 0.2336, 0.1987



30.9153, 0.4485, 0.4551



30.9153, 0.1611, 0.2284

Square

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



30.9153, 0.4485, 0.4551



30.9153, 0.2154, 0.3938



30.9153, 0.1819, 0.1985



30.9153, 0.4089, 0.2698

Rectangle

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



30.9153, 0.4485, 0.4551



30.9153, 0.3180, 0.4928



30.9153, 0.1819, 0.1985



30.9153, 0.2852, 0.2129

Sweetspot

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



30.9168, 0.4485, 0.4551



75.7775, 0.3507, 0.3719



12.4588, 0.5046, 0.2841



15.9990, 0.3571, 0.3787



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



30.9168, 0.4485, 0.4551



51.1688, 0.4705, 0.4607



41.2517, 0.3818, 0.5123



10.0857, 0.3270, 0.3457



19.0388, 0.4752, 0.4609



0.7672, 0.4579, 0.4747

Inverse Universe

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



9.6886, 0.1815, 0.1410



11.6210, 0.1631, 0.1023



6.5216, 0.1887, 0.1008



9.1001, 0.2985, 0.3118



4.0152, 0.1596, 0.0946



0.2471, 0.1744, 0.1477

Previews

White Background



This preview shows how the Yxy color 30.9153, 0.4485, 0.4551 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 30.9153, 0.4485, 0.4551 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 30.9153, 0.4485, 0.4551

Background



This preview shows how black text looks on a background with the Yxy color 30.9153, 0.4485, 0.4551.



This preview shows how white text looks on a background with the Yxy color 30.9153, 0.4485, 0.4551.

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

30.9153, 0.4485, 0.4551

Protanopia

31.1769, 0.4264, 0.4707

Deuteranopia

31.0681, 0.4565, 0.4481



Tritanopia

30.7913, 0.3627, 0.3141

Trichromacy



Original Color

30.9153, 0.4485, 0.4551

Protanomaly

31.1011, 0.4339, 0.4650

Deuteranomaly

31.1166, 0.4532, 0.4506

Tritanomaly

30.5517, 0.4006, 0.3723

Monochromacy



Original Color

30.9153, 0.4485, 0.4551

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

29.1141, 0.3667, 0.3884

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9153, 0.4485, 0.4551 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(184, 146, 42)` looks like.

```
.text, #text, p{  
    color:rgb(184, 146, 42)  
}
```

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(184, 146, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 146, 42) }
```

Border

The CSS property to change the border of an element to Yxy 30.9153, 0.4485, 0.4551 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(184, 146, 42) }
```

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

```
.border{ border-color:rgb(184, 146, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 146, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 146, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 146, 42);  
box-shadow:4px 4px 4px 4px rgb(184, 146,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9153, 0.4485, 0.4551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 146, 42) }
```

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

```
.background{ background-color: rgb(184,  
146, 42) }
```

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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