

Converting Colors

$Y_{xy}(29.0255, 0.4538, 0.4763)$

Have a look what the booklet for
Yxy(29.0255, 0.4538, 0.4763)
contains.

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Color

Yxy(29.0692, 0.4536, 0.4765)

Conversions

Conversions Part 1

Format	Color
Hex	AF9004
RGB	175, 144, 4
RGB Percent	69%, 56%, 2%
CMY	0.3138, 0.4353, 0.9847
CMYK	0.00, 0.18, 0.98, 0.31
HSL	49°, 96%, 35%
HSV	49°, 98%, 69%
XYZ	27.6722, 29.0692, 4.2643
YIQ	137.3090, 63.4160, -36.9680

Conversions

Conversions Part 2

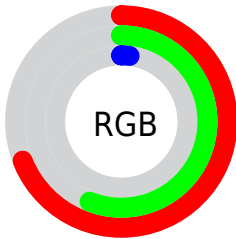
Format	Color
RYB	42, 175, 4
Decimal	11505668
CIELab	60.84, 0.17, 64.57
CIELCh	61, 64.568, 89.848
Yxy	29.0692, 0.4536, 0.4765
Android (android.graphics.Color)	4289695748 (0xFFAF9004)
YUV	137.3090, -65.7213, 33.0550
Hunter-Lab	53.9159, -2.7381, 33.0518

Details

The Yxy color **29.0692, 0.4536, 0.4765** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **4.3153, 0.1563, 0.0804**, and the grayscale version is **25.3719, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.0757, 0.4327, 0.4534**, and **11.8570, 0.4587, 0.4740** is the 20% darker color. If you saturate the color by 10%, you get **28.8484, 0.4552, 0.4768**, and if you desaturate by 10%, it is **30.0912, 0.4459, 0.4745**.

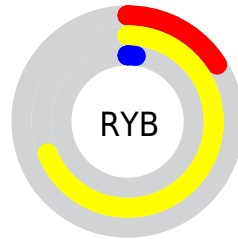
Distribution



Red (69%)

Green (56%)

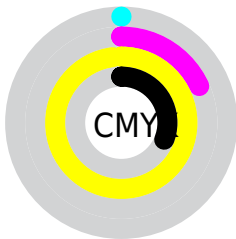
Blue (2%)



Red (16%)

Yellow (69%)

Blue (2%)

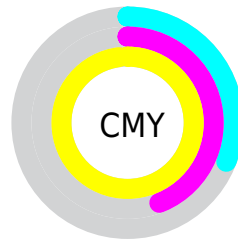


Cyan (0%)

Magenta (18%)

Yellow (98%)

Black (31%)



Cyan (31%)


Magenta (44%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.0692, 0.4536, 0.4765 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 29.0692, 0.4536, 0.4765 by changing the saturation by 10% instead.


 29.0692, 0.4536,
0.4765


 29.0692, 0.4536,
0.4765


297.5413, 0.3868,
0.4067


 19.1332, 0.4657,
0.4891


 58.1870, 0.4320,
0.4540

 11.7665, 0.4793,
0.5032


 78.1376, 0.4229,
0.4445


 6.5849, 0.4879,
0.5121


 102.1951, 0.4149,
0.4361

 3.2039, 0.4881,
0.5119

 130.7441, 0.4079,
0.4287

 1.2391, 0.4884,
0.5116

 164.1687, 0.4016,
0.4222


 0.0933, 0.4988,
0.5012


 202.8536, 0.3961,


 0.0000, 0.0000,


0.4164

0.0000


 247.1830, 0.3912,
0.4113


 29.0692, 0.4536,
0.4765


 29.0692, 0.4536,
0.4765


 28.8484, 0.4552,
0.4768

 30.0912, 0.4459,
0.4745

 31.1821, 0.4356,
0.4683

 32.3538, 0.4226,
0.4577

 33.6130, 0.4076,
0.4432

 34.9656, 0.3911,
0.4257

■ 36.4167, 0.3740,
0.4062

■ 37.9711, 0.3569,
0.3856

■ 39.6329, 0.3402,
0.3648

■ 41.4063, 0.3243,
0.3444

Harmonies

Analogous

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



29.0692, 0.5095, 0.4051



29.0692, 0.4536, 0.4765



29.0692, 0.3665, 0.5238

Triad

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



29.0692, 0.4536, 0.4765



29.0692, 0.1500, 0.2752



29.0692, 0.3285, 0.2166

Complementary

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



29.0692, 0.4536, 0.4765



4.3153, 0.1563, 0.0804

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.



29.0692, 0.2328, 0.1855



29.0692, 0.4536, 0.4765



29.0692, 0.1446, 0.2073

Square

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



29.0692, 0.4536, 0.4765



29.0692, 0.1922, 0.3875



29.0692, 0.1716, 0.1808



29.0692, 0.4366, 0.2692

Rectangle

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



29.0692, 0.4536, 0.4765



29.0692, 0.3024, 0.5163



29.0692, 0.1716, 0.1808



29.0692, 0.2934, 0.2035

Sweetspot

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



29.0706, 0.4536, 0.4765



67.5179, 0.3598, 0.3892



9.3205, 0.6048, 0.3127



14.7455, 0.3670, 0.3979



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



29.0706, 0.4536, 0.4765



51.3790, 0.4559, 0.4762



34.7157, 0.3654, 0.5466



9.0798, 0.3267, 0.3474



20.7440, 0.4547, 0.4771



0.6404, 0.4423, 0.4870

Inverse Universe

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



4.3153, 0.1563, 0.0804



7.1358, 0.1542, 0.0751



4.0816, 0.1750, 0.0750



7.9831, 0.2986, 0.3099



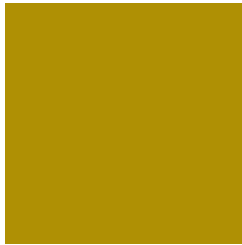
3.0116, 0.1552, 0.0787



0.1519, 0.1692, 0.1289

Previews

White Background



This preview shows how the Yxy color 29.0692, 0.4536, 0.4765 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 29.0692, 0.4536, 0.4765 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.0692, 0.4536, 0.4765

Background



This preview shows how black text looks on a background with the Yxy color 29.0692, 0.4536, 0.4765.



This preview shows how white text looks on a background with the Yxy color 29.0692, 0.4536, 0.4765.

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

29.0692, 0.4536, 0.4765

Protanopia

28.9920, 0.4394, 0.4861

Deuteranopia

28.9388, 0.4694, 0.4594



Tritanopia

29.1311, 0.3578, 0.3150

Trichromacy



Original Color

29.0692, 0.4536, 0.4765

Protanomaly

29.0081, 0.4441, 0.4828

Deuteranomaly

29.0190, 0.4636, 0.4659

Tritanomaly

28.6706, 0.4101, 0.3934

Monochromacy



Original Color

29.0692, 0.4536, 0.4765

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

26.0567, 0.3787, 0.4122

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.0692, 0.4536, 0.4765 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(175, 144, 4)` looks like.

```
.text, #text, p{  
    color:rgb(175, 144, 4)  
}
```

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(175, 144, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 144, 4) }
```

Border

The CSS property to change the border of an element to Yxy 29.0692, 0.4536, 0.4765 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(175, 144, 4) }
```

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

```
.border{ border-color:rgb(175, 144, 4) }
```

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

Here you see how a box with a 4 pixel rgb(175, 144, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 144, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 144, 4);  
box-shadow:4px 4px 4px 4px rgb(175, 144,  
4) }
```


Background

The CSS property to change the background color of an element to Yxy 29.0692, 0.4536, 0.4765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 144, 4) }
```

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

```
.background{ background-color: rgb(175,  
144, 4) }
```

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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