

Converting Colors

$Y_{xy}(28.2547, 0.2956, 0.4786)$

Have a look what the booklet for
Yxy(28.2547, 0.2956, 0.4786)
contains.

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Color

$Y_{xy}(28.2440, 0.2956, 0.4785)$

Conversions

Conversions Part 1

Format	Color
Hex	48A356
RGB	72, 163, 86
RGB Percent	28%, 64%, 34%
CMY	0.7177, 0.3608, 0.6628
CMYK	0.56, 0.00, 0.47, 0.36
HSL	129°, 39%, 46%
HSV	129°, 56%, 64%
XYZ	17.4481, 28.2440, 13.3340
YIQ	127.0130, -29.5190, -43.2390

Conversions

Conversions Part 2

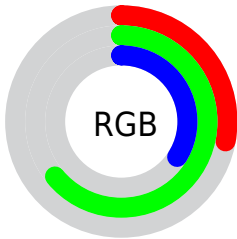
Format	Color
RYB	72, 151, 163
Decimal	4760406
CIELab	60.11, -43.89, 31.90
CIELCh	60, 54.258, 143.985
Yxy	28.2440, 0.2956, 0.4785
Android (android.graphics.Color)	4282950486 (0xFF48A356)
YUV	127.0130, -20.2194, -48.2464
Hunter-Lab	53.1451, -34.4004, 22.3258

Details

The Yxy color **28.2440, 0.2956, 0.4785** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **14.5896, 0.3386, 0.2162**, and the grayscale version is **21.3053, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.0584, 0.3017, 0.4442**, and **11.2918, 0.2833, 0.5398** is the 20% darker color. If you saturate the color by 10%, you get **27.4985, 0.2941, 0.5090**, and if you desaturate by 10%, it is **29.2009, 0.2979, 0.4475**.

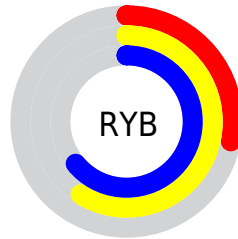
Distribution



Red (28%)

Green (64%)

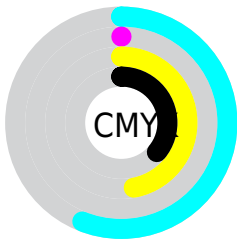
Blue (34%)



Red (28%)

Yellow (59%)

Blue (64%)

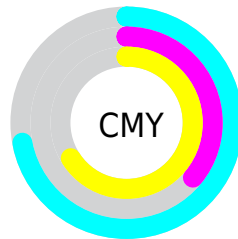


Cyan (56%)

Magenta (0%)

Yellow (47%)

Black (36%)



Cyan (72%)


Magenta (36%)


Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.2440, 0.2956, 0.4785 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 28.2440, 0.2956, 0.4785 by changing the saturation by 10% instead.


 28.2440, 0.2956,
0.4785


 28.2440, 0.2956,
0.4785


293.6310, 0.3083,
0.3921


 18.5097, 0.2903,
0.5045


 56.8738, 0.3016,
0.4440

 11.3165, 0.2819,
0.5408


 76.5380, 0.3034,
0.4320

 6.2802, 0.2671,
0.5941


 100.2810, 0.3047,
0.4222

 3.0162, 0.2485,
0.7062

 128.4871, 0.3058,
0.4141

 1.1402, 0.0000,
1.0000

 161.5408, 0.3066,
0.4073

 0.0120, 0.0000,
1.0000

199.8264, 0.3073,

 0.0000, 0.0000,

0.4015

0.0000

243.7283, 0.3078,
0.3965

■ 28.2440, 0.2956,
0.4785

■ 28.2440, 0.2956,
0.4785

■ 27.4985, 0.2941,
0.5090

■ 29.2009, 0.2979,
0.4475

■ 26.9448, 0.2936,
0.5373

■ 30.3798, 0.3008,
0.4175

■ 26.5660, 0.2941,
0.5614

■ 31.7949, 0.3040,
0.3894

■ 26.3381, 0.2956,
0.5798

■ 33.4583, 0.3074,
0.3639

■ 26.2669, 0.2961,
0.5858

■ 35.3810, 0.3108,
0.3411

■ 37.5736, 0.3141,
0.3210

■ 40.0460, 0.3172,
0.3034

■ 42.8075, 0.3202,
0.2882

■ 45.8672, 0.3229,
0.2750

Harmonies

Analogous

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



28.2440, 0.3793, 0.4917



28.2440, 0.2956, 0.4785



28.2440, 0.2211, 0.3988

Triad

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



28.2440, 0.2956, 0.4785



28.2440, 0.1818, 0.2015



28.2440, 0.4712, 0.3250

Complementary

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



28.2440, 0.2956, 0.4785



14.5896, 0.3386, 0.2162

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.



28.2440, 0.4016, 0.2676



28.2440, 0.2956, 0.4785



28.2440, 0.2309, 0.1999

Square

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



28.2440, 0.2956, 0.4785



28.2440, 0.1631, 0.2333



28.2440, 0.3094, 0.2234



28.2440, 0.4873, 0.3881

Rectangle

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



28.2440, 0.2956, 0.4785



28.2440, 0.1868, 0.3321



28.2440, 0.3094, 0.2234



28.2440, 0.4530, 0.3049

Sweetspot

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



28.2452, 0.2956, 0.4785



59.4485, 0.3069, 0.3675



33.0867, 0.3769, 0.4665



13.2204, 0.3062, 0.3722



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



28.2452, 0.2956, 0.4785



48.9754, 0.2939, 0.5161



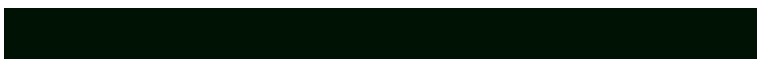
29.2161, 0.2643, 0.3885



7.9120, 0.3096, 0.3486



20.4173, 0.2958, 0.5847



0.4338, 0.2815, 0.5334

Inverse Universe

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



14.5896, 0.3386, 0.2162



22.0161, 0.3458, 0.1977



13.4160, 0.4155, 0.2799



7.1834, 0.3160, 0.3102



7.4812, 0.3632, 0.1774



0.1619, 0.3457, 0.1678

Previews

White Background



This preview shows how the Yxy color 28.2440, 0.2956, 0.4785 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 28.2440, 0.2956, 0.4785 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 28.2440, 0.2956, 0.4785

Background



This preview shows how black text looks on a background with the Yxy color 28.2440, 0.2956, 0.4785.



This preview shows how white text looks on a background with the Yxy color 28.2440, 0.2956, 0.4785.

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

28.2440, 0.2956, 0.4785

Protanopia

27.7801, 0.3940, 0.4295

Deuteranopia

27.8339, 0.4031, 0.3971



Tritanopia

28.1397, 0.2503, 0.3082

Trichromacy



Original Color

28.2440, 0.2956, 0.4785

Protanomaly

27.2544, 0.3515, 0.4489

Deuteranomaly

26.8399, 0.3564, 0.4264

Tritanomaly

27.8514, 0.2669, 0.3658

Monochromacy



Original Color

28.2440, 0.2956, 0.4785

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

23.0518, 0.3049, 0.3827

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2440, 0.2956, 0.4785 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(72, 163, 86)` looks like.

```
.text, #text, p{  
    color:rgb(72, 163, 86)  
}
```

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(72, 163, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 163, 86) }
```

Border

The CSS property to change the border of an element to Yxy 28.2440, 0.2956, 0.4785 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(72, 163, 86) }
```

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

```
.border{ border-color:rgb(72, 163, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 163, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 163, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 163, 86);  
box-shadow:4px 4px 4px 4px rgb(72, 163,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2440, 0.2956, 0.4785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 163, 86) }
```

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

```
.background{ background-color: rgb(72, 163,  
86) }
```

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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