

Converting Colors

$Y_{xy}(28.3769, 0.2976, 0.5716)$

Have a look what the booklet for
Yxy(28.3769, 0.2976, 0.5716)
contains.

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Color

Yxy(28.3648, 0.2975, 0.5710)

Conversions

Conversions Part 1

Format	Color
Hex	1AA826
RGB	26, 168, 38
RGB Percent	10%, 66%, 15%
CMY	0.8981, 0.3412, 0.8508
CMYK	0.85, 0.00, 0.77, 0.34
HSL	125°, 73%, 38%
HSV	125°, 85%, 66%
XYZ	14.7785, 28.3648, 6.5323
YIQ	110.7220, -42.9020, -70.5340

Conversions

Conversions Part 2

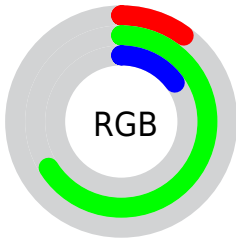
Format	Color
RYB	26, 157, 168
Decimal	1746982
CIELab	60.22, -59.66, 53.11
CIELCh	60, 79.874, 138.320
Yxy	28.3648, 0.2975, 0.5710
Android (android.graphics.Color)	4279937062 (0xFF1AA826)
YUV	110.7220, -35.8519, -74.3012
Hunter-Lab	53.2586, -43.6714, 30.0089

Details

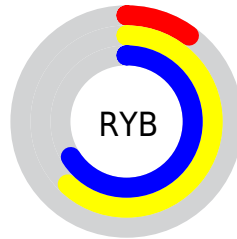
The Yxy color **28.3648, 0.2975, 0.5710** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **11.4617, 0.3389, 0.1725**, and the grayscale version is **15.9267, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.8109, 0.3074, 0.5154**, and **12.0346, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **28.1262, 0.2981, 0.5876**, and if you desaturate by 10%, it is **28.7762, 0.2976, 0.5474**.

Distribution



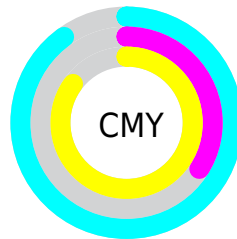
- Red (10%)
- Green (66%)
- Blue (15%)



- Red (10%)
- Yellow (62%)
- Blue (66%)



- Cyan (85%)
- Magenta (0%)
- Yellow (77%)
- Black (34%)





- Cyan (90%)
- Magenta (34%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.3648, 0.2975, 0.5710 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 28.3648, 0.2975, 0.5710 by changing the saturation by 10% instead.

 28.3648, 0.2975,
0.5710


 28.3648, 0.2975,
0.5710


294.2060, 0.3155,
0.4309


 18.6008, 0.2874,
0.6109


 57.0663, 0.3077,
0.5158


 11.3822, 0.2700,
0.6633


 76.7727, 0.3103,
0.4963

 6.3245, 0.2463,
0.7537


 100.5620, 0.3121,
0.4803


 3.0434, 0.1806,
0.8194

 128.8186, 0.3133,
0.4670

 1.1544, 0.0000,
1.0000

 161.9269, 0.3142,
0.4558

 0.0240, 0.0000,
1.0000

 200.2713, 0.3148,

 0.0000, 0.0000,

0.4463

0.0000

244.2362, 0.3152,
0.4380

■ 28.3648, 0.2975,
0.5710

■ 28.3648, 0.2975,
0.5710

■ 28.1262, 0.2981,
0.5876

■ 28.7762, 0.2976,
0.5474

■ 28.0389, 0.2983,
0.5938

■ 29.3811, 0.2984,
0.5185

■ 30.2012, 0.2999,
0.4864

■ 31.2542, 0.3019,
0.4533

■ 32.5560, 0.3042,
0.4211

■ 34.1211, 0.3067,
0.3909

■ 35.9629, 0.3092,
0.3635

■ 38.0939, 0.3117,
0.3391

■ 40.5259, 0.3140,
0.3177

Harmonies

Analogous

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



28.3648, 0.4089, 0.5461



28.3648, 0.2975, 0.5710



28.3648, 0.1951, 0.4641

Triad

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



28.3648, 0.2975, 0.5710



28.3648, 0.1310, 0.1603



28.3648, 0.5292, 0.2986

Complementary

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



28.3648, 0.2975, 0.5710



11.4617, 0.3389, 0.1725

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.



28.3648, 0.4151, 0.2301



28.3648, 0.2975, 0.5710



28.3648, 0.1836, 0.1549

Square

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



28.3648, 0.2975, 0.5710



28.3648, 0.1141, 0.2038



28.3648, 0.2809, 0.1791



28.3648, 0.5586, 0.3749

Rectangle

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



28.3648, 0.2975, 0.5710



28.3648, 0.1477, 0.3548



28.3648, 0.2809, 0.1791



28.3648, 0.4984, 0.2747

Sweetspot

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



28.3660, 0.2975, 0.5710



61.6323, 0.3065, 0.3936



35.1656, 0.4025, 0.5068



13.2166, 0.3056, 0.4035



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



28.3660, 0.2975, 0.5710



50.8654, 0.2987, 0.5952



29.3262, 0.2616, 0.4465



8.4177, 0.3105, 0.3503



21.1764, 0.2980, 0.5930



0.5183, 0.2897, 0.5629

Inverse Universe

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



11.4617, 0.3389, 0.1725



19.3090, 0.3437, 0.1667



9.7215, 0.4853, 0.2597



7.6555, 0.3150, 0.3086



8.0456, 0.3431, 0.1663



0.1988, 0.3350, 0.1619

Previews

White Background



This preview shows how the Yxy color 28.3648, 0.2975, 0.5710 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 28.3648, 0.2975, 0.5710 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

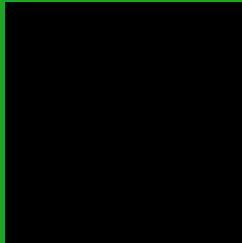
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.3648, 0.2975, 0.5710

Background



This preview shows how black text looks on a background with the Yxy color 28.3648, 0.2975, 0.5710.



This preview shows how white text looks on a background with the Yxy color 28.3648, 0.2975, 0.5710.

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

28.3648, 0.2975, 0.5710

Protanopia

27.7322, 0.4314, 0.4760

Deuteranopia

27.8426, 0.4481, 0.4395



Tritanopia

28.3950, 0.2382, 0.3079

Trichromacy



Original Color

28.3648, 0.2975, 0.5710



Protanomaly

26.4087, 0.3659, 0.5226



Deuteranomaly

25.6701, 0.3755, 0.4965



Tritanomaly

27.7110, 0.2620, 0.4073

Monochromacy



Original Color

28.3648, 0.2975, 0.5710



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

18.8481, 0.3036, 0.4349

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3648, 0.2975, 0.5710 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(26, 168, 38)` looks like.

```
.text, #text, p{  
    color:rgb(26, 168, 38)  
}
```

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(26, 168, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 168, 38) }
```

Border

The CSS property to change the border of an element to Yxy 28.3648, 0.2975, 0.5710 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(26, 168, 38) }
```

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

```
.border{ border-color:rgb(26, 168, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 168, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 168, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 168, 38);  
box-shadow:4px 4px 4px 4px rgb(26, 168,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3648, 0.2975, 0.5710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 168, 38) }
```

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

```
.background{ background-color: rgb(26, 168,  
38) }
```

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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