

Converting Colors

$Y_{xy}(28.5180, 0.3047, 0.5715)$

Have a look what the booklet for
Yxy(28.5180, 0.3047, 0.5715)
contains.

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Color

Yxy(28.6073, 0.3047, 0.5722)

Conversions

Conversions Part 1

Format	Color
Hex	2AA821
RGB	42, 168, 33
RGB Percent	16%, 66%, 13%
CMY	0.8350, 0.3412, 0.8707
CMYK	0.75, 0.00, 0.80, 0.34
HSL	116°, 67%, 39%
HSV	116°, 80%, 66%
XYZ	15.2336, 28.6073, 6.1544
YIQ	114.9360, -31.7610, -68.6970

Conversions

Conversions Part 2

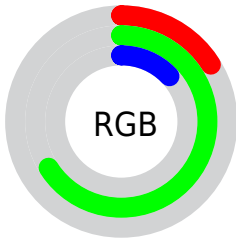
Format	Color
R_{YB}	33, 168, 159
Decimal	2795553
CIE _{Lab}	60.43, -57.86, 55.03
CIE _{LCh}	60, 79.847, 136.437
Yxy	28.6073, 0.3047, 0.5722
Android (android.graphics.Color)	4280985633 (0xFF2AA821)
YUV	114.9360, -40.3944, -63.9649
Hunter-Lab	53.4858, -42.7606, 30.6178

Details

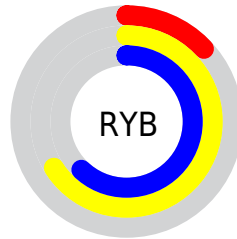
The Yxy color **28.6073, 0.3047, 0.5722** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **11.2726, 0.3073, 0.1583**, and the grayscale version is **17.2611, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2838, 0.3140, 0.5174**, and **12.0346, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **28.2681, 0.3029, 0.5891**, and if you desaturate by 10%, it is **29.1251, 0.3066, 0.5477**.

Distribution



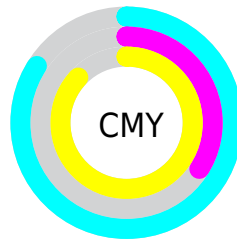
- Red (16%)
- Green (66%)
- Blue (13%)



- Red (13%)
- Yellow (66%)
- Blue (62%)



- Cyan (75%)
- Magenta (0%)
- Yellow (80%)
- Black (34%)




- Cyan (84%)
- Magenta (34%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.6073, 0.3047, 0.5722 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 28.6073, 0.3047, 0.5722 by changing the saturation by 10% instead.


 28.6073, 0.3047,
0.5722


 28.6073, 0.3047,
0.5722


295.3576, 0.3192,
0.4323


 18.7840, 0.2952,
0.6114


 57.4526, 0.3137,
0.5175


 11.5143, 0.2786,
0.6622


 77.2433, 0.3159,
0.4980


 6.4139, 0.2546,
0.7454


 101.1253, 0.3173,
0.4820

 3.0983, 0.1923,
0.8077

 129.4829, 0.3181,
0.4687

 1.1833, 0.0000,
1.0000

 162.7005, 0.3187,
0.4574

 0.0480, 0.0000,
1.0000

 201.1626, 0.3190,

 0.0000, 0.0000,

0.4478

0.0000

245.2534, 0.3192,
0.4395

■ 28.6073, 0.3047,
0.5722

■ 28.6073, 0.3047,
0.5722

■ 28.2681, 0.3029,
0.5891

■ 29.1251, 0.3066,
0.5477

■ 28.0786, 0.3016,
0.5987

■ 29.8375, 0.3083,
0.5173

■ 30.7626, 0.3097,
0.4835

■ 31.9158, 0.3108,
0.4488

■ 33.3106, 0.3117,
0.4151

■ 34.9599, 0.3122,
0.3836

■ 36.8754, 0.3126,
0.3552

■ 39.0682, 0.3127,
0.3299

■ 41.5487, 0.3127,
0.3078

Harmonies

Analogous

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



28.6073, 0.4156, 0.5411



28.6073, 0.3047, 0.5722



28.6073, 0.2010, 0.4735

Triad

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



28.6073, 0.3047, 0.5722



28.6073, 0.1293, 0.1622



28.6073, 0.5235, 0.2942

Complementary

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



28.6073, 0.3047, 0.5722



11.2726, 0.3073, 0.1583

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.



28.6073, 0.4061, 0.2265



28.6073, 0.3047, 0.5722



28.6073, 0.1794, 0.1547

Square

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



28.6073, 0.3047, 0.5722



28.6073, 0.1146, 0.2086



28.6073, 0.2735, 0.1771



28.6073, 0.5589, 0.3700

Rectangle

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



28.6073, 0.3047, 0.5722



28.6073, 0.1517, 0.3647



28.6073, 0.2735, 0.1771



28.6073, 0.4911, 0.2705

Sweetspot

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



28.6085, 0.3047, 0.5722



62.1678, 0.3120, 0.3961



32.4627, 0.4238, 0.4838



13.3297, 0.3118, 0.4069



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.



28.6085, 0.3047, 0.5722



51.0208, 0.3016, 0.5962



29.0530, 0.2752, 0.4863



8.4310, 0.3126, 0.3522



21.2128, 0.3019, 0.5985



0.5234, 0.3103, 0.5918

Inverse Universe

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



11.2726, 0.3073, 0.1583



18.3143, 0.3045, 0.1463



10.5743, 0.4221, 0.2277



7.6405, 0.3127, 0.3067



7.5318, 0.3044, 0.1450



0.1906, 0.3102, 0.1482

Previews

White Background



This preview shows how the Yxy color 28.6073, 0.3047, 0.5722 looks on a white background.

Color Contrast Check

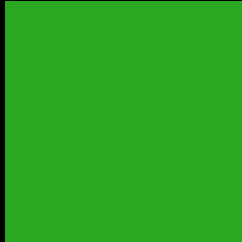
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6073, 0.3047, 0.5722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

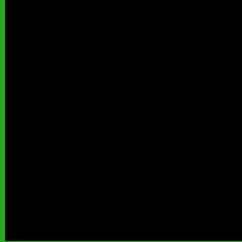
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.6073, 0.3047, 0.5722

Background



This preview shows how black text looks on a background with the Yxy color 28.6073, 0.3047, 0.5722.



This preview shows how white text looks on a background with the Yxy color 28.6073, 0.3047, 0.5722.

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

28.6073, 0.3047, 0.5722

Protanopia

28.1165, 0.4334, 0.4792

Deuteranopia

27.9285, 0.4519, 0.4423



Tritanopia

28.3038, 0.2411, 0.3063

Trichromacy



Original Color

28.6073, 0.3047, 0.5722



Protanomaly

26.7931, 0.3744, 0.5219



Deuteranomaly

26.1001, 0.3847, 0.4963



Tritanomaly

27.6559, 0.2677, 0.4066

Monochromacy



Original Color

28.6073, 0.3047, 0.5722



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

19.7808, 0.3109, 0.4335

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6073, 0.3047, 0.5722 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(42, 168, 33)` looks like.

```
.text, #text, p{  
    color:rgb(42, 168, 33)  
}
```

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(42, 168, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 168, 33) }
```

Border

The CSS property to change the border of an element to Yxy 28.6073, 0.3047, 0.5722 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(42, 168, 33) }
```

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

```
.border{ border-color:rgb(42, 168, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 168, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 168, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 168, 33);  
box-shadow:4px 4px 4px 4px rgb(42, 168,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6073, 0.3047, 0.5722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 168, 33) }
```

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

```
.background{ background-color: rgb(42, 168,  
33) }
```

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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