

Converting Colors

$Yxy(27.8706, 0.3089, 0.5779)$

Have a look what the booklet for
Yxy(27.8706, 0.3089, 0.5779)
contains.

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Color

Yxy(27.9192, 0.3090, 0.5779)

Conversions

Conversions Part 1

Format	Color
Hex	2EA618
RGB	46, 166, 24
RGB Percent	18%, 65%, 9%
CMY	0.8195, 0.3490, 0.9060
CMYK	0.72, 0.00, 0.86, 0.35
HSL	111°, 75%, 37%
HSV	111°, 86%, 65%
XYZ	14.9282, 27.9192, 5.4640
YIQ	113.9320, -25.9380, -69.6020

Conversions

Conversions Part 2

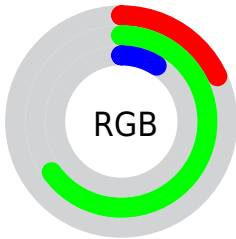
Format	Color
R_{YB}	24, 166, 144
Decimal	3057176
CIE _{Lab}	59.82, -57.02, 56.95
CIE _{LCh}	60, 80.588, 135.038
Yxy	27.9192, 0.3090, 0.5779
Android (android.graphics.Color)	4281247256 (0xFF2EA618)
YUV	113.9320, -44.3365, -59.5764
Hunter-Lab	52.8386, -42.0368, 30.8559

Details

The Yxy color **27.9192, 0.3090, 0.5779** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **9.3294, 0.2880, 0.1437**, and the grayscale version is **16.9485, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.2466, 0.3178, 0.5222**, and **11.8103, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **27.5964, 0.3059, 0.5915**, and if you desaturate by 10%, it is **28.3923, 0.3117, 0.5568**.

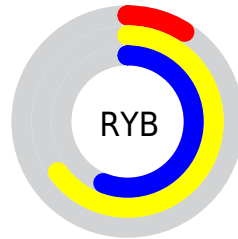
Distribution



Red (18%)

Green (65%)

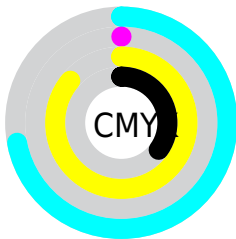
Blue (9%)



Red (9%)

Yellow (65%)

Blue (56%)

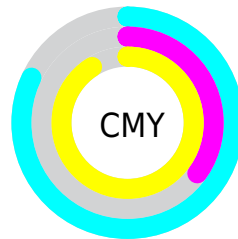


Cyan (72%)

Magenta (0%)

Yellow (86%)

Black (35%)



Cyan (82%)


Magenta (35%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.9192, 0.3090, 0.5779 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 27.9192, 0.3090, 0.5779 by changing the saturation by 10% instead.


 27.9192, 0.3090,
0.5779


 27.9192, 0.3090,
0.5779


292.0806, 0.3220,
0.4348


 18.2648, 0.2994,
0.6175


 56.3554, 0.3178,
0.5222

 11.1402, 0.2823,
0.6686


 75.9060, 0.3198,
0.5022

 6.1612, 0.2548,
0.7452

 99.5240, 0.3209,
0.4859

 2.9434, 0.1906,
0.8094

 127.5940, 0.3216,
0.4722

 1.1022, 0.0000,
1.0000

 160.5002, 0.3219,
0.4606

 0.0000, 0.0000,
0.0000

 198.6272, 0.3221,

0.4508

242.3592, 0.3221,
0.4422

■ 27.9192, 0.3090,
0.5779

■ 27.9192, 0.3090,
0.5779

■ 27.5964, 0.3059,
0.5915

■ 28.3923, 0.3117,
0.5568

■ 27.4899, 0.3048,
0.5962

■ 29.0288, 0.3139,
0.5295

■ 29.8436, 0.3153,
0.4979

■ 30.8490, 0.3159,
0.4643

■ 32.0563, 0.3159,
0.4308

■ 33.4758, 0.3154,
0.3988

■ 35.1170, 0.3145,
0.3692

■ 36.9892, 0.3134,
0.3425

■ 39.1006, 0.3121,
0.3189

Harmonies

Analogous

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



27.9192, 0.4210, 0.5401



27.9192, 0.3090, 0.5779



27.9192, 0.2032, 0.4837

Triad

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



27.9192, 0.3090, 0.5779



27.9192, 0.1258, 0.1612



27.9192, 0.5230, 0.2899

Complementary

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



27.9192, 0.3090, 0.5779



9.3294, 0.2880, 0.1437

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.



27.9192, 0.4010, 0.2222



27.9192, 0.3090, 0.5779



27.9192, 0.1744, 0.1523

Square

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



27.9192, 0.3090, 0.5779



27.9192, 0.1124, 0.2100



27.9192, 0.2673, 0.1736



27.9192, 0.5629, 0.3658

Rectangle

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



27.9192, 0.3090, 0.5779



27.9192, 0.1520, 0.3727



27.9192, 0.2673, 0.1736



27.9192, 0.4888, 0.2661

Sweetspot

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



27.9204, 0.3090, 0.5779



60.5001, 0.3155, 0.4016



27.6172, 0.4410, 0.4756



13.3401, 0.3157, 0.4121



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.



27.9204, 0.3090, 0.5779



49.8313, 0.3041, 0.5967



27.9259, 0.2824, 0.5201



8.4616, 0.3139, 0.3522



21.3302, 0.3052, 0.5958



0.5350, 0.3229, 0.5818

Inverse Universe

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



9.3294, 0.2880, 0.1437



15.0750, 0.2815, 0.1325



10.0828, 0.4058, 0.2113



7.6068, 0.3114, 0.3066



6.4898, 0.2826, 0.1331



0.1733, 0.2961, 0.1405

Previews

White Background



This preview shows how the Yxy color 27.9192, 0.3090, 0.5779 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 27.9192, 0.3090, 0.5779 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 27.9192, 0.3090, 0.5779

Background



This preview shows how black text looks on a background with the Yxy color 27.9192, 0.3090, 0.5779.



This preview shows how white text looks on a background with the Yxy color 27.9192, 0.3090, 0.5779.

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

27.9192, 0.3090, 0.5779

Protanopia

27.2625, 0.4367, 0.4836

Deuteranopia

27.3592, 0.4546, 0.4472



Tritanopia

27.6506, 0.2427, 0.3062

Trichromacy



Original Color

27.9192, 0.3090, 0.5779



Protanomaly

26.1057, 0.3789, 0.5262



Deuteranomaly

25.8141, 0.3908, 0.5020



Tritanomaly

26.9205, 0.2719, 0.4135

Monochromacy



Original Color

27.9192, 0.3090, 0.5779



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

19.4930, 0.3159, 0.4401

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9192, 0.3090, 0.5779 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(46, 166, 24)` looks like.

```
.text, #text, p{  
    color:rgb(46, 166, 24)  
}
```

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(46, 166, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 166, 24) }
```

Border

The CSS property to change the border of an element to Yxy 27.9192, 0.3090, 0.5779 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(46, 166, 24) }
```

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

```
.border{ border-color:rgb(46, 166, 24) }
```

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

Here you see how a box with a 4 pixel rgb(46, 166, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 166, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 166, 24);  
box-shadow:4px 4px 4px 4px rgb(46, 166,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9192, 0.3090, 0.5779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 166, 24) }
```

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

```
.background{ background-color: rgb(46, 166,  
24) }
```

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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