

Converting Colors

$Y_{xy}(30.0795, 0.3010, 0.5795)$

Have a look what the booklet for
Yxy(30.0795, 0.3010, 0.5795)
contains.

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Color

$\text{Yxy}(30.2569, 0.3010, 0.5795)$

Conversions

Conversions Part 1

Format	Color
Hex	1EAD1E
RGB	30, 173, 30
RGB Percent	12%, 68%, 12%
CMY	0.8819, 0.3216, 0.8824
CMYK	0.83, 0.00, 0.83, 0.32
HSL	120°, 70%, 40%
HSV	120°, 83%, 68%
XYZ	15.7158, 30.2569, 6.2393
YIQ	113.9410, -39.3250, -74.7890

Conversions

Conversions Part 2

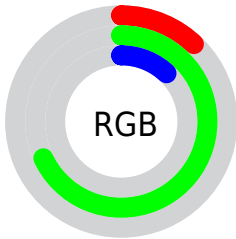
Format	Color
RYB	30, 173, 173
Decimal	2010398
CIELab	61.88, -61.24, 57.16
CIELCh	62, 83.769, 136.971
Yxy	30.2569, 0.3010, 0.5795
Android (android.graphics.Color)	4280200478 (0xFF1EAD1E)
YUV	113.9410, -41.3829, -73.6163
Hunter-Lab	55.0063, -45.2618, 31.7791

Details

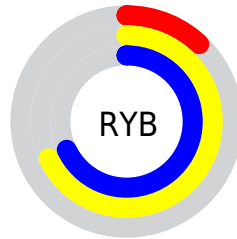
The Yxy color **30.2569, 0.3010, 0.5795** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **12.8151, 0.3203, 0.1628**, and the grayscale version is **16.9550, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.2413, 0.3111, 0.5239**, and **13.1937, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **29.9992, 0.3003, 0.5936**, and if you desaturate by 10%, it is **30.7083, 0.3021, 0.5570**.

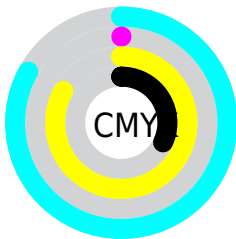
Distribution



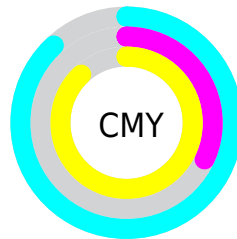
- Red (12%)
- Green (68%)
- Blue (12%)



- Red (12%)
- Yellow (68%)
- Blue (68%)



- Cyan (83%)
- Magenta (0%)
- Yellow (83%)
- Black (32%)




- Cyan (88%)
- Magenta (32%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.2569, 0.3010, 0.5795 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 30.2569, 0.3010, 0.5795 by changing the saturation by 10% instead.


 30.2569, 0.3010,
0.5795


 30.2569, 0.3010,
0.5795


303.1001, 0.3181,
0.4363


 20.0337, 0.2908,
0.6190


 60.0682, 0.3111,
0.5239


 12.4195, 0.2734,
0.6697


 80.4251, 0.3136,
0.5040


 7.0301, 0.2484,
0.7516


 104.9286, 0.3153,
0.4876

 3.4809, 0.1882,
0.8118

 133.9632, 0.3164,
0.4739

 1.3877, 0.0000,
1.0000

 167.9133, 0.3171,
0.4623

 0.2076, 0.0000,
1.0000

 207.1632, 0.3176,

 0.0000, 0.0000,

0.4524

0.0000

252.0973, 0.3179,
0.4438

■ 30.2569, 0.3010,
0.5795

■ 30.2569, 0.3010,
0.5795

■ 29.9992, 0.3003,
0.5936

■ 30.7083, 0.3021,
0.5570

■ 29.8876, 0.3000,
0.6000

■ 31.3769, 0.3034,
0.5276

■ 32.2869, 0.3050,
0.4939

■ 33.4585, 0.3067,
0.4585

■ 34.9095, 0.3083,
0.4237

■ 36.6564, 0.3098,
0.3911

■ 38.7142, 0.3112,
0.3616

■ 41.0970, 0.3124,
0.3354

■ 43.8181, 0.3135,
0.3126

Harmonies

Analogous

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



30.2569, 0.4142, 0.5468



30.2569, 0.3010, 0.5795



30.2569, 0.1959, 0.4755

Triad

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



30.2569, 0.3010, 0.5795



30.2569, 0.1263, 0.1581



30.2569, 0.5310, 0.2939

Complementary

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



30.2569, 0.3010, 0.5795



12.8151, 0.3203, 0.1628

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.



30.2569, 0.4111, 0.2251



30.2569, 0.3010, 0.5795



30.2569, 0.1777, 0.1514

Square

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



30.2569, 0.3010, 0.5795



30.2569, 0.1107, 0.2039



30.2569, 0.2744, 0.1746



30.2569, 0.5645, 0.3706

Rectangle

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



30.2569, 0.3010, 0.5795



30.2569, 0.1466, 0.3623



30.2569, 0.2744, 0.1746



30.2569, 0.4982, 0.2698

Sweetspot

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



30.2582, 0.3010, 0.5795



64.7282, 0.3094, 0.3999



37.9584, 0.4162, 0.4943



13.8342, 0.3089, 0.4109



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



30.2582, 0.3010, 0.5795



53.5472, 0.3000, 0.5994



31.0656, 0.2700, 0.4729



8.9397, 0.3116, 0.3524



21.9574, 0.3000, 0.6000



0.6109, 0.3001, 0.5999

Inverse Universe

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



12.8151, 0.3203, 0.1628



21.3322, 0.3207, 0.1543



10.8094, 0.4478, 0.2397



8.1477, 0.3138, 0.3067



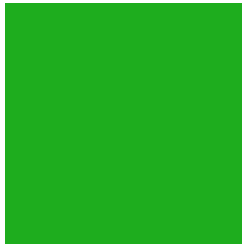
8.7307, 0.3207, 0.1540



0.2430, 0.3208, 0.1541

Previews

White Background



This preview shows how the Yxy color 30.2569, 0.3010, 0.5795 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.2569, 0.3010, 0.5795 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 ✓ Pass

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

Yxy 30.2569, 0.3010, 0.5795

Background



This preview shows how black text looks on a background with the Yxy color 30.2569, 0.3010, 0.5795.



This preview shows how white text looks on a background with the Yxy color 30.2569, 0.3010, 0.5795.

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

30.2569, 0.3010, 0.5795

Protanopia

29.7722, 0.4346, 0.4821

Deuteranopia

29.6941, 0.4534, 0.4445



Tritanopia

30.1235, 0.2388, 0.3068

Trichromacy



Original Color

30.2569, 0.3010, 0.5795



Protanomaly

28.3102, 0.3694, 0.5296



Deuteranomaly

27.6097, 0.3805, 0.5040



Tritanomaly

29.2761, 0.2646, 0.4113

Monochromacy



Original Color

30.2569, 0.3010, 0.5795



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

19.7915, 0.3075, 0.4412

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2569, 0.3010, 0.5795 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(30, 173, 30)` looks like.

```
.text, #text, p{  
    color:rgb(30, 173, 30)  
}
```

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(30, 173, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 173, 30) }
```

Border

The CSS property to change the border of an element to Yxy 30.2569, 0.3010, 0.5795 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(30, 173, 30) }
```

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

```
.border{ border-color:rgb(30, 173, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 173, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 173, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 173, 30);  
box-shadow:4px 4px 4px 4px rgb(30, 173,  
30) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2569, 0.3010, 0.5795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 173, 30) }
```

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

```
.background{ background-color: rgb(30, 173,  
30) }
```

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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