

Converting Colors

$Y_{xy}(27.7862, 0.3004, 0.5909)$

Have a look what the booklet for
Yxy(27.7862, 0.3004, 0.5909)
contains.

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Color

Yxy(27.7850, 0.3004, 0.5909)

Conversions

Conversions Part 1

Format	Color
Hex	10A710
RGB	16, 167, 16
RGB Percent	6%, 65%, 6%
CMY	0.9376, 0.3451, 0.9370
CMYK	0.90, 0.00, 0.90, 0.35
HSL	120°, 83%, 36%
HSV	120°, 90%, 65%
XYZ	14.1253, 27.7850, 5.1112
YIQ	104.6370, -41.5250, -78.9730

Conversions

Conversions Part 2

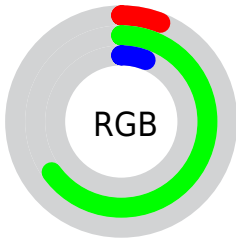
Format	Color
R_{YB}	16, 167, 167
Decimal	1091344
CIE Lab	59.69, -61.42, 58.36
CIE LCh	60, 84.727, 136.465
Yxy	27.7850, 0.3004, 0.5909
Android (android.graphics.Color)	4279281424 (0xFF10A710)
YUV	104.6370, -43.6980, -77.7346
Hunter-Lab	52.7115, -44.4119, 31.1489

Details

The Yxy color **27.7850, 0.3004, 0.5909** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **11.3685, 0.3210, 0.1581**, and the grayscale version is **14.1480, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.8813, 0.3115, 0.5319**, and **11.8103, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **27.6395, 0.3000, 0.5999**, and if you desaturate by 10%, it is **28.0646, 0.3011, 0.5747**.

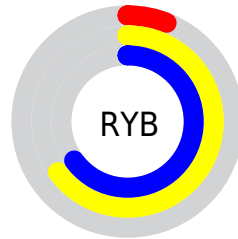
Distribution



Red (6%)

Green (65%)

Blue (6%)



Red (6%)

Yellow (65%)

Blue (6%)

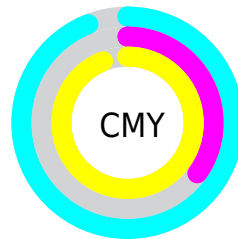


Cyan (90%)

Magenta (0%)

Yellow (90%)

Black (35%)



Cyan (94%)


Magenta (35%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7850, 0.3004, 0.5909 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 27.7850, 0.3004, 0.5909 by changing the saturation by 10% instead.


 27.7850, 0.3004,
0.5909


 27.7850, 0.3004,
0.5909


291.4381, 0.3191,
0.4397


 18.1637, 0.2888,
0.6327


 56.1410, 0.3117,
0.5320

 11.0675, 0.2691,
0.6871


 75.6444, 0.3144,
0.5109


 6.1123, 0.2365,
0.7635

 99.2107, 0.3162,
0.4935

 2.9135, 0.1643,
0.8357

 127.2242, 0.3174,
0.4791


 1.0867, 0.0000,
1.0000


 160.0693, 0.3181,
0.4669

 0.0000, 0.0000,
0.0000


 198.1304, 0.3186,

0.4565


 241.7919, 0.3189,
0.4475


 27.7850, 0.3004,
0.5909


 27.7850, 0.3004,
0.5909

 27.6395, 0.3000,
0.5999

 28.0646, 0.3011,
0.5747

 28.5255, 0.3023,
0.5504

 29.1928, 0.3037,
0.5198

 30.0869, 0.3053,
0.4856

 31.2257, 0.3070,
0.4503

■ 32.6253, 0.3086,
0.4160

■ 34.3005, 0.3101,
0.3842

■ 36.2650, 0.3115,
0.3554

■ 38.5314, 0.3127,
0.3301

Harmonies

Analogous

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



27.7850, 0.4165, 0.5512



27.7850, 0.3004, 0.5909



27.7850, 0.1926, 0.4852

Triad

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



27.7850, 0.3004, 0.5909



27.7850, 0.1209, 0.1535



27.7850, 0.5378, 0.2904

Complementary

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



27.7850, 0.3004, 0.5909



11.3685, 0.3210, 0.1581

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.



27.7850, 0.4121, 0.2207



27.7850, 0.3004, 0.5909



27.7850, 0.1723, 0.1465

Square

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



27.7850, 0.3004, 0.5909



27.7850, 0.1055, 0.2004



27.7850, 0.2705, 0.1696



27.7850, 0.5728, 0.3678

Rectangle

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



27.7850, 0.3004, 0.5909



27.7850, 0.1420, 0.3658



27.7850, 0.2705, 0.1696



27.7850, 0.5034, 0.2660

Sweetspot

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



27.7862, 0.3004, 0.5909



59.2677, 0.3091, 0.4062



35.8922, 0.4170, 0.5014



13.0572, 0.3085, 0.4170



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.



27.7862, 0.3004, 0.5909



49.4974, 0.3000, 0.5999



28.5118, 0.2696, 0.4823



8.4079, 0.3116, 0.3523



21.1488, 0.3000, 0.5999



0.5146, 0.2999, 0.5995

Inverse Universe

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



11.3685, 0.3210, 0.1581



19.6985, 0.3212, 0.1543



9.3474, 0.4716, 0.2445



7.6665, 0.3138, 0.3068



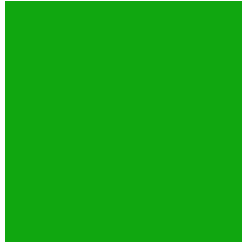
8.4167, 0.3212, 0.1543



0.2048, 0.3211, 0.1542

Previews

White Background



This preview shows how the Yxy color 27.7850, 0.3004, 0.5909 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 27.7850, 0.3004, 0.5909 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 27.7850, 0.3004, 0.5909

Background



This preview shows how black text looks on a background with the Yxy color 27.7850, 0.3004, 0.5909.



This preview shows how white text looks on a background with the Yxy color 27.7850, 0.3004, 0.5909.

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

27.7850, 0.3004, 0.5909

Protanopia

27.2220, 0.4402, 0.4887

Deuteranopia

27.0581, 0.4576, 0.4482



Tritanopia

27.6094, 0.2370, 0.3059

Trichromacy



Original Color

27.7850, 0.3004, 0.5909



Protanomaly

25.6578, 0.3688, 0.5424



Deuteranomaly

24.9594, 0.3797, 0.5143



Tritanomaly

26.6923, 0.2644, 0.4215

Monochromacy



Original Color

27.7850, 0.3004, 0.5909



Achromatopsia

14.1263, 0.3127, 0.3290



Achromatomaly

17.3358, 0.3068, 0.4557

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7850, 0.3004, 0.5909 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(16, 167, 16)` looks like.

```
.text, #text, p{  
    color:rgb(16, 167, 16)  
}
```

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(16, 167, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 167, 16) }
```

Border

The CSS property to change the border of an element to Yxy 27.7850, 0.3004, 0.5909 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(16, 167, 16) }
```

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

```
.border{ border-color:rgb(16, 167, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 167, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 167, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 167, 16);  
box-shadow:4px 4px 4px 4px rgb(16, 167,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7850, 0.3004, 0.5909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 167, 16) }
```

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

```
.background{ background-color: rgb(16, 167,  
16) }
```

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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