

Converting Colors

$Y_{xy}(27.7801, 0.3020, 0.5947)$

Have a look what the booklet for
Yxy(27.7801, 0.3020, 0.5947)
contains.

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Color

Yxy(27.7814, 0.3020, 0.5948)

Conversions

Conversions Part 1

Format	Color
Hex	12A707
RGB	18, 167, 7
RGB Percent	7%, 65%, 3%
CMY	0.9297, 0.3451, 0.9725
CMYK	0.89, 0.00, 0.96, 0.35
HSL	116°, 92%, 34%
HSV	116°, 96%, 65%
XYZ	14.1056, 27.7814, 4.8202
YIQ	104.2090, -37.4440, -81.3480

Conversions

Conversions Part 2

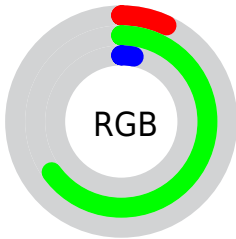
Format	Color
RYB	7, 167, 156
Decimal	1222407
CIELab	59.69, -61.53, 59.75
CIELCh	60, 85.770, 135.842
Yxy	27.7814, 0.3020, 0.5948
Android (android.graphics.Color)	4279412487 (0xFF12A707)
YUV	104.2090, -47.9240, -75.6053
Hunter-Lab	52.7081, -44.4695, 31.4735

Details

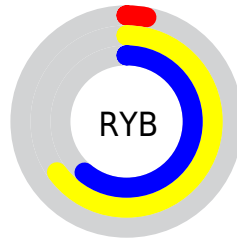
The Yxy color **27.7814, 0.3020, 0.5948** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **10.0209, 0.3047, 0.1469**, and the grayscale version is **14.0363, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.8938, 0.3131, 0.5347**, and **11.8103, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **27.7130, 0.3016, 0.5987**, and if you desaturate by 10%, it is **28.0355, 0.3037, 0.5823**.

Distribution



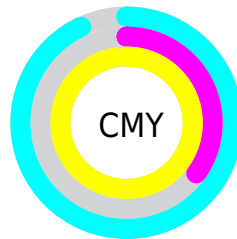
- Red (7%)
- Green (65%)
- Blue (3%)



- Red (3%)
- Yellow (65%)
- Blue (61%)



- Cyan (89%)
- Magenta (0%)
- Yellow (96%)
- Black (35%)





- Cyan (93%)
- Magenta (35%)
- Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7814, 0.3020, 0.5948 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 27.7814, 0.3020, 0.5948 by changing the saturation by 10% instead.

 27.7814, 0.3020,
0.5948


 27.7814, 0.3020,
0.5948


291.4209, 0.3204,
0.4417


 18.1609, 0.2902,
0.6367


 56.1352, 0.3134,
0.5353


 11.0656, 0.2704,
0.6917


 75.6374, 0.3161,
0.5140

 6.1110, 0.2360,
0.7640

 99.2023, 0.3178,
0.4964

 2.9127, 0.1636,
0.8364

 127.2143, 0.3189,
0.4818


 1.0863, 0.0000,
1.0000

 160.0577, 0.3196,
0.4694

 0.0000, 0.0000,
0.0000


 198.1170, 0.3200,


0.4588


 241.7766, 0.3203,
0.4497

 27.7814, 0.3020,
0.5948


 27.7814, 0.3020,
0.5948


 27.7130, 0.3016,
0.5987

 28.0355, 0.3037,
0.5823

 28.4496, 0.3056,
0.5617

 29.0466, 0.3074,
0.5342

 29.8445, 0.3090,
0.5019

 30.8591, 0.3103,
0.4675

■ 32.1046, 0.3113,
0.4330

■ 33.5942, 0.3120,
0.4003

■ 35.3398, 0.3124,
0.3702

■ 37.3527, 0.3127,
0.3432

Harmonies

Analogous

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



27.7814, 0.4190, 0.5512



27.7814, 0.3020, 0.5948



27.7814, 0.1930, 0.4910

Triad

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



27.7814, 0.3020, 0.5948



27.7814, 0.1187, 0.1525



27.7814, 0.5386, 0.2881

Complementary

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



27.7814, 0.3020, 0.5948



10.0209, 0.3047, 0.1469

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.



27.7814, 0.4100, 0.2183



27.7814, 0.3020, 0.5948



27.7814, 0.1695, 0.1448

Square

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



27.7814, 0.3020, 0.5948



27.7814, 0.1039, 0.2005



27.7814, 0.2674, 0.1675



27.7814, 0.5756, 0.3656

Rectangle

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



27.7814, 0.3020, 0.5948



27.7814, 0.1415, 0.3697



27.7814, 0.2674, 0.1675



27.7814, 0.5031, 0.2637

Sweetspot

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



27.7826, 0.3020, 0.5948



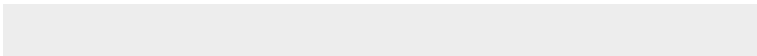
59.1134, 0.3118, 0.4122



31.2349, 0.4328, 0.4919



12.9863, 0.3115, 0.4258



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.



27.7826, 0.3020, 0.5948



49.5966, 0.3012, 0.5990



28.1747, 0.2783, 0.5182



8.4312, 0.3126, 0.3522



21.2135, 0.3019, 0.5985



0.5235, 0.3104, 0.5917

Inverse Universe

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



10.0209, 0.3047, 0.1469



17.5504, 0.3037, 0.1447



9.2953, 0.4515, 0.2290



7.6402, 0.3127, 0.3067



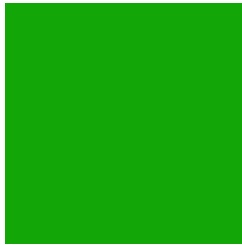
7.5230, 0.3042, 0.1449



0.1905, 0.3101, 0.1482

Previews

White Background



This preview shows how the Yxy color 27.7814, 0.3020, 0.5948 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 27.7814, 0.3020, 0.5948 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 27.7814, 0.3020, 0.5948

Background



This preview shows how black text looks on a background with the Yxy color 27.7814, 0.3020, 0.5948.



This preview shows how white text looks on a background with the Yxy color 27.7814, 0.3020, 0.5948.

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

27.7814, 0.3020, 0.5948

Protanopia

27.2220, 0.4402, 0.4887

Deuteranopia

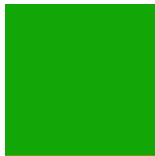
27.0452, 0.4587, 0.4496



Tritanopia

27.6476, 0.2375, 0.3060

Trichromacy



Original Color

27.7814, 0.3020, 0.5948



Protanomaly

25.7143, 0.3704, 0.5426



Deuteranomaly

24.9351, 0.3816, 0.5182



Tritanomaly

26.6305, 0.2676, 0.4299

Monochromacy



Original Color

27.7814, 0.3020, 0.5948



Achromatopsia

13.8432, 0.3127, 0.3290



Achromatomaly

17.0249, 0.3105, 0.4632

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7814, 0.3020, 0.5948 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(18, 167, 7)` looks like.

```
.text, #text, p{  
    color:rgb(18, 167, 7)  
}
```

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(18, 167, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 167, 7) }
```

Border

The CSS property to change the border of an element to Yxy 27.7814, 0.3020, 0.5948 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(18, 167, 7) }
```

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

```
.border{ border-color:rgb(18, 167, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 167, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 167, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 167, 7);  
box-shadow:4px 4px 4px 4px rgb(18, 167, 7)  
}
```


Background

The CSS property to change the background color of an element to Yxy 27.7814, 0.3020, 0.5948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 167, 7) }
```

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

```
.background{ background-color: rgb(18, 167,  
7) }
```

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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