

Converting Colors

$Y_{xy}(21.1903, 0.2977, 0.5773)$

Have a look what the booklet for
Yxy(21.1903, 0.2977, 0.5773)
contains.

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Color

Yxy(21.0704, 0.2976, 0.5767)

Conversions

Conversions Part 1

Format	Color
Hex	11931C
RGB	17, 147, 28
RGB Percent	7%, 58%, 11%
CMY	0.9337, 0.4235, 0.8902
CMYK	0.89, 0.00, 0.81, 0.42
HSL	125°, 79%, 32%
HSV	125°, 89%, 58%
XYZ	10.8732, 21.0704, 4.5926
YIQ	94.5640, -39.2810, -64.5690

Conversions

Conversions Part 2

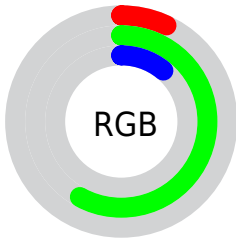
Format	Color
RYB	17, 137, 147
Decimal	1151772
CIELab	53.03, -54.81, 49.39
CIELCh	53, 73.778, 137.974
Yxy	21.0704, 0.2976, 0.5767
Android (android.graphics.Color)	4279341852 (0xFF11931C)
YUV	94.5640, -32.8161, -68.0236
Hunter-Lab	45.9025, -38.0472, 26.1997

Details

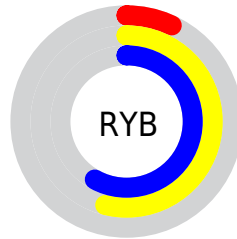
The Yxy color **21.0704, 0.2976, 0.5767** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **8.3761, 0.3399, 0.1708**, and the grayscale version is **11.4144, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.0744, 0.3088, 0.5163**, and **8.1844, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **20.9166, 0.2981, 0.5912**, and if you desaturate by 10%, it is **21.3332, 0.2974, 0.5553**.

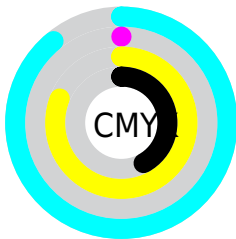
Distribution



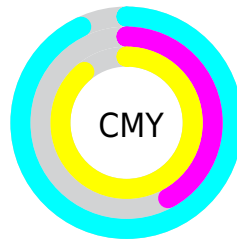
- Red (7%)
- Green (58%)
- Blue (11%)



- Red (7%)
- Yellow (54%)
- Blue (58%)



- Cyan (89%)
- Magenta (0%)
- Yellow (81%)
- Black (42%)




- Cyan (93%)
- Magenta (42%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0704, 0.2976, 0.5767 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 21.0704, 0.2976, 0.5767 by changing the saturation by 10% instead.


 21.0704, 0.2976,
0.5767


 21.0704, 0.2976,
0.5767


257.6524, 0.3163,
0.4273


 13.1755, 0.2856,
0.6221


 45.2047, 0.3088,
0.5159


 7.5495, 0.2652,
0.6868


 62.2128, 0.3115,
0.4950

 3.8081, 0.2256,
0.7744

 83.0275, 0.3133,
0.4781

 1.5668, 0.0205,
0.9795

 108.0330, 0.3144,
0.4643

 0.3350, 0.0000,
1.0000

 137.6139, 0.3152,
0.4527

 0.0000, 0.0000,
0.0000

 172.1545, 0.3157,

0.4429

212.0392, 0.3161,
0.4345

21.0704, 0.2976,
0.5767

21.0704, 0.2976,
0.5767

20.9166, 0.2981,
0.5912

21.3332, 0.2974,
0.5553

20.8970, 0.2980,
0.5929

21.7319, 0.2980,
0.5282

22.2829, 0.2993,
0.4972

22.9995, 0.3011,
0.4646

23.8936, 0.3034,
0.4323

■ 24.9760, 0.3058,
0.4016

■ 26.2566, 0.3083,
0.3734

■ 27.7446, 0.3107,
0.3482

■ 29.4486, 0.3131,
0.3258

Harmonies

Analogous

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



21.0704, 0.4104, 0.5483



21.0704, 0.2976, 0.5767



21.0704, 0.1937, 0.4690

Triad

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



21.0704, 0.2976, 0.5767



21.0704, 0.1282, 0.1581



21.0704, 0.5324, 0.2967

Complementary

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



21.0704, 0.2976, 0.5767



8.3761, 0.3399, 0.1708

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.



21.0704, 0.4152, 0.2277



21.0704, 0.2976, 0.5767



21.0704, 0.1808, 0.1524

Square

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



21.0704, 0.2976, 0.5767



21.0704, 0.1115, 0.2023



21.0704, 0.2787, 0.1766



21.0704, 0.5627, 0.3735

Rectangle

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



21.0704, 0.2976, 0.5767



21.0704, 0.1456, 0.3568



21.0704, 0.2787, 0.1766



21.0704, 0.5007, 0.2726

Sweetspot

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



21.0713, 0.2976, 0.5767



44.9268, 0.3060, 0.3988



26.1572, 0.4034, 0.5093



10.1094, 0.3053, 0.4079



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



21.0713, 0.2976, 0.5767



37.4091, 0.2985, 0.5945



21.7741, 0.2618, 0.4513



6.4760, 0.3105, 0.3498



18.1169, 0.2979, 0.5924



0.2233, 0.2881, 0.5572

Inverse Universe

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



8.3761, 0.3399, 0.1708



14.2010, 0.3437, 0.1667



7.0578, 0.4941, 0.2607



5.9007, 0.3149, 0.3090



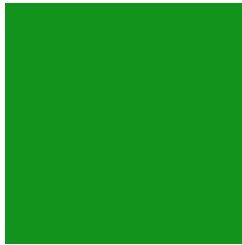
6.8827, 0.3430, 0.1663



0.0863, 0.3310, 0.1597

Previews

White Background



This preview shows how the Yxy color 21.0704, 0.2976, 0.5767 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 21.0704, 0.2976, 0.5767 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

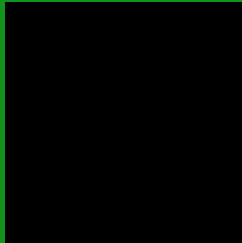
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0704, 0.2976, 0.5767

Background



This preview shows how black text looks on a background with the Yxy color 21.0704, 0.2976, 0.5767.



This preview shows how white text looks on a background with the Yxy color 21.0704, 0.2976, 0.5767.

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

21.0704, 0.2976, 0.5767

Protanopia

20.7344, 0.4332, 0.4785

Deuteranopia

20.5218, 0.4507, 0.4425



Tritanopia

21.0862, 0.2380, 0.3071

Trichromacy



Original Color

21.0704, 0.2976, 0.5767



Protanomaly

19.6618, 0.3655, 0.5273



Deuteranomaly

18.8921, 0.3756, 0.5028



Tritanomaly

20.6301, 0.2621, 0.4112

Monochromacy



Original Color

21.0704, 0.2976, 0.5767



Achromatopsia

11.4435, 0.3127, 0.3290



Achromatomaly

13.6829, 0.3030, 0.4378

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0704, 0.2976, 0.5767 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(17, 147, 28)` looks like.

```
.text, #text, p{  
    color:rgb(17, 147, 28)  
}
```

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(17, 147, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 147, 28) }
```

Border

The CSS property to change the border of an element to Yxy 21.0704, 0.2976, 0.5767 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(17, 147, 28) }
```

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

```
.border{ border-color:rgb(17, 147, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(17, 147, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 147, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 147, 28);  
box-shadow:4px 4px 4px 4px rgb(17, 147,  
28) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0704, 0.2976, 0.5767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 147, 28) }
```

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

```
.background{ background-color: rgb(17, 147,  
28) }
```

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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