

Converting Colors

$Y_{xy}(66.0258, 0.2991, 0.5896)$

Have a look what the booklet for
Yxy(66.0258, 0.2991, 0.5896)
contains.

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Color

Yxy(66.2092, 0.2991, 0.5894)

Conversions

Conversions Part 1

Format	Color
Hex	17F622
RGB	23, 246, 34
RGB Percent	9%, 96%, 13%
CMY	0.9097, 0.0353, 0.8665
CMYK	0.91, 0.00, 0.86, 0.04
HSL	123°, 93%, 53%
HSV	123°, 91%, 96%
XYZ	33.5989, 66.2092, 12.5252
YIQ	155.1550, -64.8560, -113.2080

Conversions

Conversions Part 2

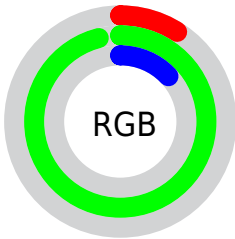
Format	Color
R_{YB}	23, 236, 246
Decimal	1570338
CIE _{Lab}	85.10, -82.25, 77.05
CIE _{LCh}	85, 112.703, 136.872
Yxy	66.2092, 0.2991, 0.5894
Android (android.graphics.Color)	4279760418 (0xFF17F622)
YUV	155.1550, -59.7294, -115.8999
Hunter-Lab	81.3690, -68.6897, 47.8318

Details

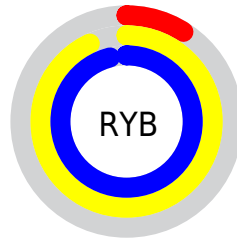
The Yxy color **66.2092, 0.2991, 0.5894** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **26.2048, 0.3325, 0.1634**, and the grayscale version is **33.1504, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5443, 0.3121, 0.5189**, and **35.9664, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **65.9405, 0.2994, 0.5978**, and if you desaturate by 10%, it is **66.8329, 0.2991, 0.5725**.

Distribution



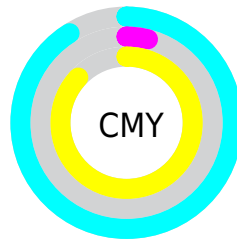
- Red (9%)
- Green (96%)
- Blue (13%)



- Red (9%)
- Yellow (93%)
- Blue (96%)



- Cyan (91%)
- Magenta (0%)
- Yellow (86%)
- Black (4%)




- Cyan (91%)
- Magenta (4%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.2092, 0.2991, 0.5894 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 66.2092, 0.2991, 0.5894 by changing the saturation by 10% instead.


 66.2092, 0.2991,
0.5894


 66.2092, 0.2991,
0.5894


 447.1247, 0.3176,
0.4581


 48.4422, 0.2910,
0.6197


 113.7865, 0.3085,
0.5429


 34.1772, 0.2790,
0.6563


 144.3657, 0.3113,
0.5250


 23.0298, 0.2606,
0.7003


 179.9844, 0.3133,
0.5097

 14.6155, 0.2355,
0.7619

 221.0270, 0.3147,
0.4965

 8.5500, 0.1895,
0.8105

 267.8780, 0.3158,
0.4850

 4.4488, 0.1246,
0.8754

 320.9216, 0.3166,

 1.9277, 0.0000,

0.4749

1.0000

380.5424, 0.3171,
0.4660

■ 0.5649, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 66.2092, 0.2991,
0.5894

■ 66.2092, 0.2991,
0.5894


■ 65.9405, 0.2994,
0.5978

■ 66.8329, 0.2991,
0.5725


■ 67.8917, 0.2996,
0.5479


■ 69.4496, 0.3008,
0.5173

■ 71.5578, 0.3024,
0.4833

 74.2614, 0.3043,
0.4484

 77.6007, 0.3065,
0.4147

 81.6126, 0.3086,
0.3834

 86.3310, 0.3107,
0.3553

 91.7878, 0.3126,
0.3305

Harmonies

Analogous

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



66.2092, 0.4150, 0.5517



66.2092, 0.2991, 0.5894



66.2092, 0.1919, 0.4821

Triad

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



66.2092, 0.2991, 0.5894



66.2092, 0.1218, 0.1537



66.2092, 0.5381, 0.2916

Complementary

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



66.2092, 0.2991, 0.5894



26.2048, 0.3325, 0.1634

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.



66.2092, 0.4137, 0.2219



66.2092, 0.2991, 0.5894



66.2092, 0.1737, 0.1471

Square

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



66.2092, 0.2991, 0.5894



66.2092, 0.1060, 0.1999



66.2092, 0.2724, 0.1706



66.2092, 0.5717, 0.3691

Rectangle

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



66.2092, 0.2991, 0.5894



66.2092, 0.1418, 0.3634



66.2092, 0.2724, 0.1706



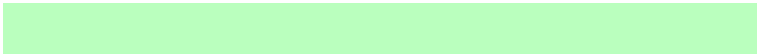
66.2092, 0.5042, 0.2672

Sweetspot

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



66.2119, 0.2991, 0.5894



85.6761, 0.3072, 0.4031



84.2517, 0.4123, 0.5067



18.0366, 0.3065, 0.4141



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



66.2119, 0.2991, 0.5894



71.5480, 0.2994, 0.5979



68.0477, 0.2672, 0.4761



18.4853, 0.3109, 0.3522



35.2012, 0.2991, 0.5969



3.0984, 0.2970, 0.5891

Inverse Universe

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



26.2048, 0.3325, 0.1634



27.6947, 0.3339, 0.1613



21.7421, 0.4903, 0.2529



16.7533, 0.3146, 0.3068



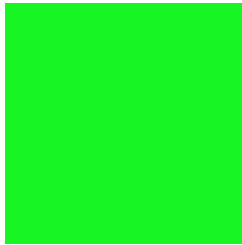
13.6302, 0.3337, 0.1612



1.2022, 0.3319, 0.1602

Previews

White Background



This preview shows how the Yxy color 66.2092, 0.2991, 0.5894 looks on a white background.

Color Contrast Check

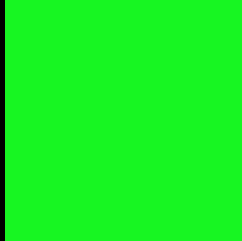
Large Text (above 18pt) WCAG AA × Fail

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 66.2092, 0.2991, 0.5894 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 66.2092, 0.2991, 0.5894

Background



This preview shows how black text looks on a background with the Yxy color 66.2092, 0.2991, 0.5894.



This preview shows how white text looks on a background with the Yxy color 66.2092, 0.2991, 0.5894.

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

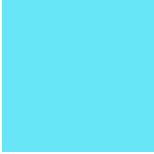
66.2092, 0.2991, 0.5894

Protanopia

64.6549, 0.4381, 0.4852

Deuteranopia

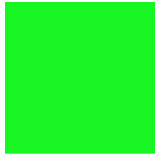
64.6268, 0.4243, 0.4208



Tritanopia

65.6971, 0.2358, 0.3067

Trichromacy



Original Color

66.2092, 0.2991, 0.5894



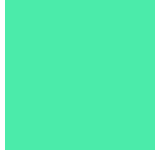
Protanomaly

60.7614, 0.3658, 0.5401



Deuteranomaly

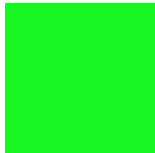
59.4099, 0.3617, 0.4952



Tritanomaly

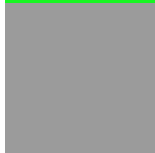
63.8148, 0.2624, 0.4200

Monochromacy



Original Color

66.2092, 0.2991, 0.5894



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

40.2399, 0.3040, 0.4545

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.2092, 0.2991, 0.5894 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(23, 246, 34)` looks like.

```
.text, #text, p{  
    color:rgb(23, 246, 34)  
}
```

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(23, 246, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 246, 34) }
```

Border

The CSS property to change the border of an element to Yxy 66.2092, 0.2991, 0.5894 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(23, 246, 34) }
```

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

```
.border{ border-color:rgb(23, 246, 34) }
```

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

Here you see how a box with a 4 pixel rgb(23, 246, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 246, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 246, 34);  
box-shadow:4px 4px 4px 4px rgb(23, 246,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 66.2092, 0.2991, 0.5894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 246, 34) }
```

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

```
.background{ background-color: rgb(23, 246,  
34) }
```

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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