

Converting Colors

$Y_{xy}(72.0003, 0.3031, 0.5942)$

Have a look what the booklet for
Yxy(72.0003, 0.3031, 0.5942)
contains.

Yxy(72.0085, 0.3031, 0.5942)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(72.0085, 0.3031, 0.5942)

Conversions

Conversions Part 1

Format	Color
Hex	28FF10
RGB	40, 255, 16
RGB Percent	16%, 100%, 6%
CMY	0.8426, 0.0000, 0.9379
CMYK	0.84, 0.00, 0.94, 0.00
HSL	114°, 100%, 53%
HSV	114°, 94%, 100%
XYZ	36.7314, 72.0085, 12.4458
YIQ	163.4690, -51.4210, -119.9090

Conversions

Conversions Part 2

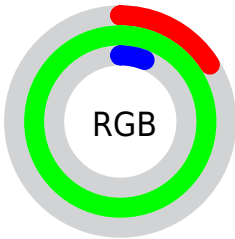
Format	Color
RYB	16, 255, 231
Decimal	2686736
CIELab	87.97, -83.96, 82.20
CIELCh	88, 117.501, 135.607
Yxy	72.0085, 0.3031, 0.5942
Android (android.graphics.Color)	4280876816 (0xFF28FF10)
YUV	163.4690, -72.7022, -108.2823
Hunter-Lab	84.8578, -71.2361, 50.7046

Details

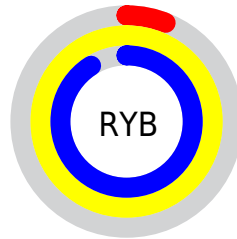
The Yxy color **72.0085, 0.3031, 0.5942** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark washed green. A complement of this color would be **24.5248, 0.2966, 0.1424**, and the grayscale version is **37.2403, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0317, 0.3183, 0.5225**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.7384, 0.3019, 0.5985**, and if you desaturate by 10%, it is **72.7407, 0.3055, 0.5814**.

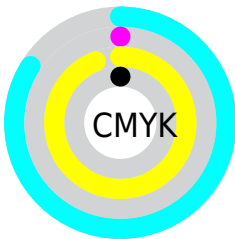
Distribution



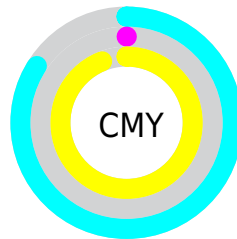
- Red (16%)
- Green (100%)
- Blue (6%)



- Red (6%)
- Yellow (100%)
- Blue (91%)



- Cyan (84%)
- Magenta (0%)
- Yellow (94%)
- Black (0%)




- Cyan (84%)
- Magenta (0%)
- Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.0085, 0.3031, 0.5942 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 72.0085, 0.3031, 0.5942 by changing the saturation by 10% instead.


 72.0085, 0.3031,
0.5942


 72.0085, 0.3031,
0.5942


467.5712, 0.3205,
0.4632


 53.1656, 0.2952,
0.6236

 122.0686, 0.3122,
0.5486


 37.9350, 0.2836,
0.6585

 154.0546, 0.3148,
0.5307

 25.9322, 0.2659,
0.6998


 191.1905, 0.3167,
0.5154

 16.7730, 0.2419,
0.7565

 233.8606, 0.3180,
0.5021

 10.0727, 0.1988,
0.8012

 282.4493, 0.3190,
0.4905

 5.4472, 0.1411,
0.8589


 337.3411, 0.3197,

 2.5120, 0.0000,


0.4803

1.0000

398.9202, 0.3201,
0.4712

 0.8826, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 72.0085, 0.3031,
0.5942


 72.0085, 0.3031,
0.5942

 71.7384, 0.3019,
0.5985

 72.7407, 0.3055,
0.5814

 73.8995, 0.3078,
0.5602


 75.5411, 0.3098,
0.5320

 77.7113, 0.3114,
0.4990

 80.4504, 0.3125,
0.4638

 83.7950, 0.3131,
0.4289

 87.7784, 0.3133,
0.3958

 92.4316, 0.3132,
0.3655

 97.7834, 0.3129,
0.3384

Harmonies

Analogous

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



72.0085, 0.4199, 0.5501



72.0085, 0.3031, 0.5942



72.0085, 0.1941, 0.4918

Triad

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



72.0085, 0.3031, 0.5942



72.0085, 0.1188, 0.1530



72.0085, 0.5373, 0.2877

Complementary

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



72.0085, 0.3031, 0.5942



24.5248, 0.2966, 0.1424

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.



72.0085, 0.4086, 0.2180



72.0085, 0.3031, 0.5942



72.0085, 0.1692, 0.1451

Square

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



72.0085, 0.3031, 0.5942



72.0085, 0.1042, 0.2014



72.0085, 0.2665, 0.1675



72.0085, 0.5752, 0.3651

Rectangle

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



72.0085, 0.3031, 0.5942



72.0085, 0.1424, 0.3710



72.0085, 0.2665, 0.1675



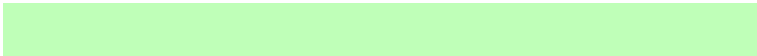
72.0085, 0.5017, 0.2633

Sweetspot

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



72.0108, 0.3031, 0.5942



86.0215, 0.3133, 0.4094



76.2884, 0.4392, 0.4869



18.0525, 0.3132, 0.4239



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.



72.0108, 0.3031, 0.5942



71.7384, 0.3019, 0.5985



72.7011, 0.2813, 0.5291



20.2564, 0.3131, 0.3535



37.5136, 0.3023, 0.5981



3.6805, 0.3070, 0.5945

Inverse Universe

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



24.5248, 0.2966, 0.1424



23.8930, 0.2950, 0.1398



24.2816, 0.4397, 0.2222



18.2011, 0.3122, 0.3055



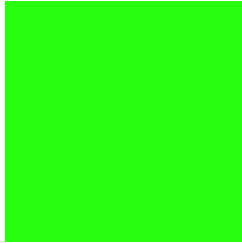
12.5227, 0.2954, 0.1401



1.2452, 0.2985, 0.1418

Previews

White Background



This preview shows how the Yxy color 72.0085, 0.3031, 0.5942 looks on a white background.

Color Contrast Check

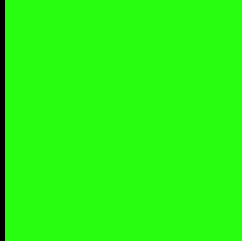
Large Text (above 18pt) WCAG AA × Fail

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 72.0085, 0.3031, 0.5942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

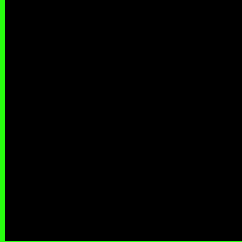
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.0085, 0.3031, 0.5942

Background



This preview shows how black text looks on a background with the Yxy color 72.0085, 0.3031, 0.5942.



This preview shows how white text looks on a background with the Yxy color 72.0085, 0.3031, 0.5942.

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

72.0085, 0.3031, 0.5942

Protanopia

70.2559, 0.4404, 0.4885

Deuteranopia

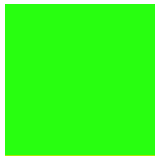
69.8929, 0.3954, 0.3968



Tritanopia

71.0625, 0.2393, 0.3063

Trichromacy



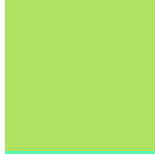
Original Color

72.0085, 0.3031, 0.5942



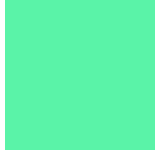
Protanomaly

66.3843, 0.3725, 0.5413



Deuteranomaly

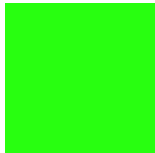
65.1671, 0.3552, 0.4842



Tritanomaly

69.1020, 0.2699, 0.4304

Monochromacy



Original Color

72.0085, 0.3031, 0.5942



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

44.4355, 0.3126, 0.4635

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.0085, 0.3031, 0.5942 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(40, 255, 16)` looks like.

```
.text, #text, p{  
    color:rgb(40, 255, 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(40, 255, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 255, 16) }
```

Border

The CSS property to change the border of an element to Yxy 72.0085, 0.3031, 0.5942 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(40, 255, 16) }
```

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

```
.border{ border-color:rgb(40, 255, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 255, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 255, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 255, 16);  
box-shadow:4px 4px 4px 4px rgb(40, 255,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 72.0085, 0.3031, 0.5942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 255, 16) }
```

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

```
.background{ background-color: rgb(40, 255,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor