

Converting Colors

$Yxy(63.0998, 0.3093, 0.5927)$

Have a look what the booklet for
Yxy(63.0998, 0.3093, 0.5927)
contains.

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Color

Yxy(63.2808, 0.3093, 0.5926)

Conversions

Conversions Part 1

Format	Color
Hex	3CF000
RGB	60, 240, 0
RGB Percent	24%, 94%, 0%
CMY	0.7643, 0.0588, 0.9996
CMYK	0.75, 0.00, 1.00, 0.06
HSL	105°, 100%, 47%
HSV	105°, 100%, 94%
XYZ	33.0286, 63.2808, 10.4756
YIQ	158.8200, -30.2400, -112.8000

Conversions

Conversions Part 2

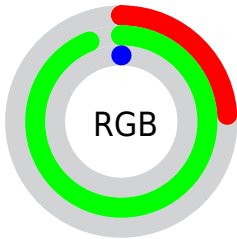
Format	Color
RYB	0, 240, 180
Decimal	3993600
CIELab	83.59, -77.74, 80.06
CIELCh	84, 111.598, 134.158
Yxy	63.2808, 0.3093, 0.5926
Android (android.graphics.Color)	4282183680 (0xFF3CF000)
YUV	158.8200, -78.2983, -86.6651
Hunter-Lab	79.5492, -65.0985, 47.8767

Details

The Yxy color **63.2808, 0.3093, 0.5926** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark saturated green. A complement of this color would be **15.9962, 0.2574, 0.1192**, and the grayscale version is **34.9800, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.4755, 0.3244, 0.5267**, and **33.4559, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **63.2808, 0.3093, 0.5926**, and if you desaturate by 10%, it is **64.0097, 0.3137, 0.5825**.

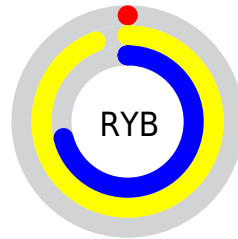
Distribution



Red (24%)

Green (94%)

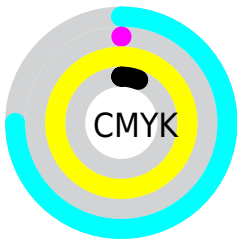
Blue (0%)



Red (0%)

Yellow (94%)

Blue (71%)

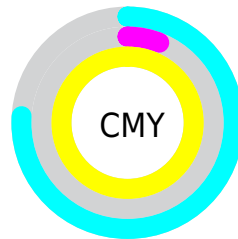


Cyan (75%)

Magenta (0%)

Yellow (100%)

Black (6%)



Cyan (76%)


Magenta (6%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.2808, 0.3093, 0.5926 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 63.2808, 0.3093, 0.5926 by changing the saturation by 10% instead.


 63.2808, 0.3093,
0.5926


 63.2808, 0.3093,
0.5926


436.5879, 0.3241,
0.4602


 46.0684, 0.3015,
0.6227

 109.5745, 0.3178,
0.5461


 32.2998, 0.2896,
0.6586


 139.4246, 0.3201,
0.5280

 21.5906, 0.2709,
0.7011


 174.2561, 0.3216,
0.5125

 13.5564, 0.2437,
0.7563

 214.4534, 0.3227,
0.4991

 7.8128, 0.1967,
0.8033

 260.4008, 0.3233,
0.4875

 3.9754, 0.1282,
0.8718

 312.4827, 0.3237,

 1.6598, 0.0000,

0.4773

1.0000

371.0836, 0.3240,
0.4682

■ 0.3974, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 63.2808, 0.3093,
0.5926

■ 64.0097, 0.3137,
0.5825

■ 65.0257, 0.3177,
0.5655

■ 66.3724, 0.3206,
0.5416

■ 68.0788, 0.3222,
0.5124

■ 70.1705, 0.3225,
0.4800

■ 72.6705, 0.3218,
0.4466

■ 75.6000, 0.3202,
0.4138

■ 78.9785, 0.3180,
0.3828

■ 82.8244, 0.3155,
0.3544

Harmonies

Analogous

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



63.2808, 0.4252, 0.5448



63.2808, 0.3093, 0.5926



63.2808, 0.1997, 0.4983

Triad

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



63.2808, 0.3093, 0.5926



63.2808, 0.1184, 0.1554



63.2808, 0.5310, 0.2846

Complementary

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



63.2808, 0.3093, 0.5926



15.9962, 0.2574, 0.1192

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.



63.2808, 0.4007, 0.2158



63.2808, 0.3093, 0.5926



63.2808, 0.1667, 0.1458

Square

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



63.2808, 0.3093, 0.5926



63.2808, 0.1055, 0.2062



63.2808, 0.2611, 0.1667



63.2808, 0.5740, 0.3615

Rectangle

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



63.2808, 0.3093, 0.5926



63.2808, 0.1465, 0.3793



63.2808, 0.2611, 0.1667



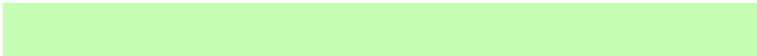
63.2808, 0.4943, 0.2604

Sweetspot

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



63.2835, 0.3093, 0.5926



86.7106, 0.3202, 0.4142



49.5862, 0.4769, 0.4595



18.2427, 0.3210, 0.4279



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.



63.2835, 0.3093, 0.5926



72.6026, 0.3091, 0.5928



62.6062, 0.2934, 0.5763



17.8473, 0.3153, 0.3531



34.6941, 0.3102, 0.5919



2.9317, 0.3192, 0.5847

Inverse Universe

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



15.9962, 0.2574, 0.1192



18.3248, 0.2571, 0.1190



21.9889, 0.3917, 0.1932



15.8208, 0.3098, 0.3054



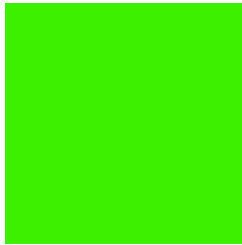
8.8198, 0.2584, 0.1197



0.7802, 0.2669, 0.1244

Previews

White Background



This preview shows how the Yxy color 63.2808, 0.3093, 0.5926 looks on a white background.

Color Contrast Check

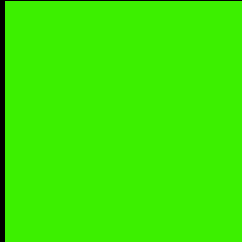
Large Text (above 18pt) WCAG AA × Fail

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 63.2808, 0.3093, 0.5926 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 63.2808, 0.3093, 0.5926

Background



This preview shows how black text looks on a background with the Yxy color 63.2808, 0.3093, 0.5926.



This preview shows how white text looks on a background with the Yxy color 63.2808, 0.3093, 0.5926.

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

63.2808, 0.3093, 0.5926

Protanopia

61.9493, 0.4407, 0.4883

Deuteranopia

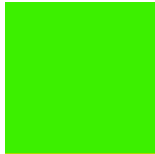
61.8170, 0.4439, 0.4372



Tritanopia

62.7036, 0.2404, 0.3064

Trichromacy



Original Color

63.2808, 0.3093, 0.5926



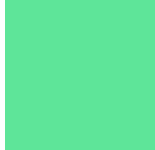
Protanomaly

59.2091, 0.3798, 0.5366



Deuteranomaly

58.0359, 0.3861, 0.5070



Tritanomaly

60.7182, 0.2763, 0.4370

Monochromacy



Original Color

63.2808, 0.3093, 0.5926



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

41.1170, 0.3225, 0.4653

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.2808, 0.3093, 0.5926 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(60, 240, 0)` looks like.

```
.text, #text, p{  
    color:rgb(60, 240, 0)  
}
```

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(60, 240, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 240, 0) }
```

Border

The CSS property to change the border of an element to Yxy 63.2808, 0.3093, 0.5926 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(60, 240, 0) }
```

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

```
.border{ border-color:rgb(60, 240, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 240, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 240, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 240, 0);  
box-shadow:4px 4px 4px 4px rgb(60, 240, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 63.2808, 0.3093, 0.5926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 240, 0) }
```

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

```
.background{ background-color: rgb(60, 240,  
0) }
```

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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