

Converting Colors

$Yxy(62.4751, 0.2895, 0.4643)$

Have a look what the booklet for
Yxy(62.4751, 0.2895, 0.4643)
contains.

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Color

Yxy(62.3744, 0.2891, 0.4636)

Conversions

Conversions Part 1

Format	Color
Hex	67E888
RGB	103, 232, 136
RGB Percent	40%, 91%, 53%
CMY	0.5959, 0.0902, 0.4668
CMYK	0.56, 0.00, 0.41, 0.09
HSL	135°, 74%, 66%
HSV	135°, 56%, 91%
XYZ	38.8965, 62.3744, 33.2726
YIQ	182.4850, -46.0680, -57.2040

Conversions

Conversions Part 2

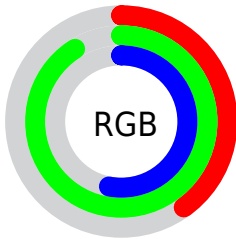
Format	Color
RYB	103, 206, 232
Decimal	6809736
CIELab	83.11, -55.99, 36.17
CIELCh	83, 66.658, 147.137
Yxy	62.3744, 0.2891, 0.4636
Android (android.graphics.Color)	4284999816 (0xFF67E888)
YUV	182.4850, -22.9171, -69.7083
Hunter-Lab	78.9775, -50.2990, 30.3058

Details

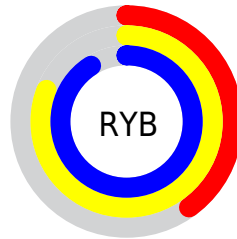
The Yxy color **62.3744, 0.2891, 0.4636** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **30.9926, 0.3538, 0.2263**, and the grayscale version is **47.2103, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0242, 0.2938, 0.4055**, and **31.6229, 0.2790, 0.5023** is the 20% darker color. If you saturate the color by 10%, you get **60.7373, 0.2874, 0.4921**, and if you desaturate by 10%, it is **64.4764, 0.2920, 0.4352**.

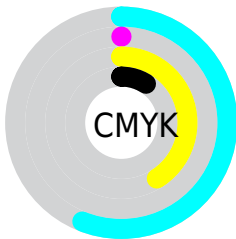
Distribution



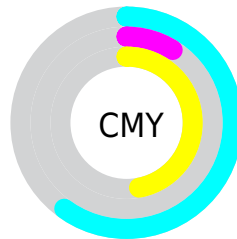
- Red (40%)
- Green (91%)
- Blue (53%)



- Red (40%)
- Yellow (81%)
- Blue (91%)



- Cyan (56%)
- Magenta (0%)
- Yellow (41%)
- Black (9%)



- Cyan (60%)
- Magenta (9%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.3744, 0.2891, 0.4636 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 62.3744, 0.2891, 0.4636 by changing the saturation by 10% instead.


 62.3744, 0.2891,
0.4636


 62.3744, 0.2891,
0.4636

433.2955, 0.3031,
0.3948

 45.3353, 0.2850,
0.4810


 108.2665, 0.2947,
0.4384

 31.7216, 0.2793,
0.5033


 137.8882, 0.2966,
0.4290

 21.1489, 0.2712,
0.5328


 172.4729, 0.2982,
0.4210

 13.2329, 0.2589,
0.5735

212.4051, 0.2995,
0.4143

 7.5891, 0.2389,
0.6318

258.0690, 0.3006,
0.4084

 3.8332, 0.2097,
0.7406

309.8491, 0.3016,

 1.5807, 0.0081,

0.4033

0.9919

368.1298, 0.3024,
0.3988

■ 0.3445, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 62.3744, 0.2891,
0.4636

■ 62.3744, 0.2891,
0.4636

■ 60.7373, 0.2874,
0.4921

■ 64.4764, 0.2920,
0.4352

■ 59.5212, 0.2871,
0.5194


■ 67.0677, 0.2959,
0.4080

■ 58.6869, 0.2883,
0.5439


■ 70.1802, 0.3003,
0.3827


■ 58.1835, 0.2909,
0.5642

■ 73.8406, 0.3051,
0.3598

 58.0320, 0.2922,
0.5718

 78.0741, 0.3100,
0.3394

 82.9042, 0.3148,
0.3213

 86.1937, 0.3138,
0.3068

Harmonies

Analogous

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



62.3744, 0.3689, 0.4844



62.3744, 0.2891, 0.4636



62.3744, 0.2201, 0.3849

Triad

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



62.3744, 0.2891, 0.4636



62.3744, 0.1914, 0.2062



62.3744, 0.4666, 0.3324

Complementary

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



62.3744, 0.2891, 0.4636



30.9926, 0.3538, 0.2263

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.



62.3744, 0.4053, 0.2761



62.3744, 0.2891, 0.4636



62.3744, 0.2419, 0.2070

Square

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



62.3744, 0.2891, 0.4636



62.3744, 0.1704, 0.2338



62.3744, 0.3189, 0.2319



62.3744, 0.4768, 0.3931

Rectangle

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



62.3744, 0.2891, 0.4636



62.3744, 0.1892, 0.3231



62.3744, 0.3189, 0.2319



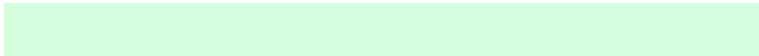
62.3744, 0.4511, 0.3128

Sweetspot

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



62.3770, 0.2891, 0.4636



90.7777, 0.3044, 0.3631



70.9406, 0.3680, 0.4741



19.2266, 0.3034, 0.3676



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.



62.3770, 0.2891, 0.4636



74.9645, 0.2872, 0.4971



64.7591, 0.2574, 0.3717



16.1493, 0.3081, 0.3470



32.2341, 0.2914, 0.5692



2.3968, 0.2836, 0.5409

Inverse Universe

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



30.9926, 0.3538, 0.2263



32.3457, 0.3658, 0.2104



28.6232, 0.4364, 0.2937



14.5490, 0.3177, 0.3117



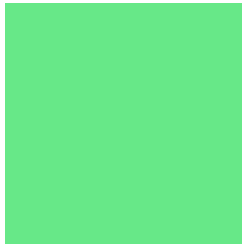
11.2154, 0.3980, 0.1966



0.8436, 0.3843, 0.1890

Previews

White Background



This preview shows how the Yxy color 62.3744, 0.2891, 0.4636 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 62.3744, 0.2891, 0.4636 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 62.3744, 0.2891, 0.4636

Background



This preview shows how black text looks on a background with the Yxy color 62.3744, 0.2891, 0.4636.

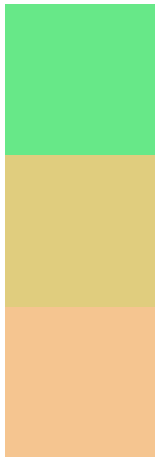


This preview shows how white text looks on a background with the Yxy color 62.3744, 0.2891, 0.4636.

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

62.3744, 0.2891, 0.4636

Protanopia

61.0163, 0.3861, 0.4182

Deuteranopia

61.3586, 0.3942, 0.3860



Tritanopia

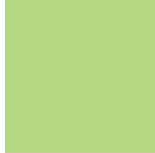
62.1053, 0.2480, 0.3066

Trichromacy



Original Color

62.3744, 0.2891, 0.4636



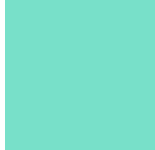
Protanomaly

59.9159, 0.3435, 0.4365



Deuteranomaly

59.3537, 0.3480, 0.4144



Tritanomaly

61.5214, 0.2625, 0.3593

Monochromacy



Original Color

62.3744, 0.2891, 0.4636



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

50.7975, 0.3014, 0.3773

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.3744, 0.2891, 0.4636 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(103, 232, 136)` looks like.

```
.text, #text, p{  
    color:rgb(103, 232, 136)  
}
```

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(103, 232, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 232, 136) }
```

Border

The CSS property to change the border of an element to Yxy 62.3744, 0.2891, 0.4636 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(103, 232, 136) }
```

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

```
.border{ border-color:rgb(103, 232, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 232, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 232, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 232, 136);  
box-shadow:4px 4px 4px 4px rgb(103, 232,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 62.3744, 0.2891, 0.4636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 232, 136) }
```

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

```
.background{ background-color: rgb(103,  
232, 136) }
```

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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