

Converting Colors

$Y_{xy}(26.7053, 0.2787, 0.4637)$

Have a look what the booklet for
Yxy(26.7053, 0.2787, 0.4637)
contains.

Yxy(26.7066, 0.2785, 0.4631)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(26.7066, 0.2785, 0.4631)

Conversions

Conversions Part 1

Format	Color
Hex	35A05E
RGB	53, 160, 94
RGB Percent	21%, 63%, 37%
CMY	0.7921, 0.3725, 0.6313
CMYK	0.67, 0.00, 0.41, 0.37
HSL	143°, 50%, 42%
HSV	143°, 67%, 63%
XYZ	16.0609, 26.7066, 14.9017
YIQ	120.4830, -42.5860, -43.2100

Conversions

Conversions Part 2

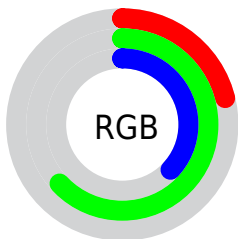
Format	Color
RYB	53, 130, 160
Decimal	3514462
CIELab	58.70, -45.56, 25.73
CIELCh	59, 52.326, 150.548
Yxy	26.7066, 0.2785, 0.4631
Android (android.graphics.Color)	4281704542 (0xFF35A05E)
YUV	120.4830, -13.0561, -59.1826
Hunter-Lab	51.6784, -34.9622, 19.0784

Details

The Yxy color **26.7066, 0.2785, 0.4631** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **11.3543, 0.3891, 0.2313**, and the grayscale version is **19.0014, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.6008, 0.2877, 0.4321**, and **10.7206, 0.2755, 0.5118** is the 20% darker color. If you saturate the color by 10%, you get **26.1779, 0.2777, 0.4866**, and if you desaturate by 10%, it is **27.4050, 0.2810, 0.4395**.

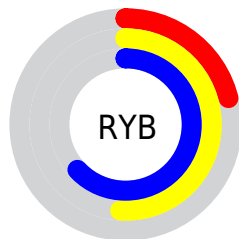
Distribution



Red (21%)

Green (63%)

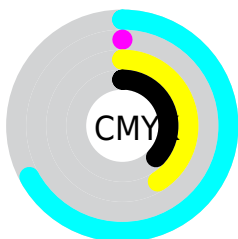
Blue (37%)



Red (21%)

Yellow (51%)

Blue (63%)

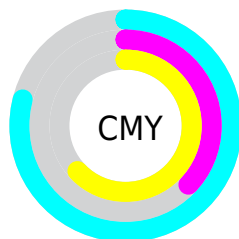


Cyan (67%)

Magenta (0%)

Yellow (41%)

Black (37%)



Cyan (79%)


Magenta (37%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.7066, 0.2785, 0.4631 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 26.7066, 0.2785, 0.4631 by changing the saturation by 10% instead.


 26.7066, 0.2785,
0.4631


 26.7066, 0.2785,
0.4631


286.2337, 0.2998,
0.3849


 17.3530, 0.2712,
0.4872


 54.4127, 0.2876,
0.4315


 10.4865, 0.2602,
0.5214


 73.5340, 0.2905,
0.4207


 5.7227, 0.2425,
0.5731

 96.6799, 0.2929,
0.4119

 2.6772, 0.2145,
0.6712

 124.2350, 0.2948,
0.4046

 0.9656, 0.0000,
1.0000

 156.5835, 0.2964,
0.3985

 0.0000, 0.0000,
0.0000

194.1098, 0.2977,

0.3933

237.1984, 0.2989,
0.3888

■ 26.7066, 0.2785,
0.4631

■ 26.7066, 0.2785,
0.4631

■ 26.1779, 0.2777,
0.4866

■ 27.4050, 0.2810,
0.4395

■ 25.7995, 0.2787,
0.5090

■ 28.2835, 0.2848,
0.4165

■ 25.5489, 0.2813,
0.5295

■ 29.3556, 0.2898,
0.3946

■ 25.4819, 0.2821,
0.5356

■ 30.6325, 0.2955,
0.3744

■ 32.1245, 0.3017,
0.3559

■ 33.8412, 0.3082,
0.3393

■ 35.7917, 0.3148,
0.3245

■ 37.9845, 0.3212,
0.3115

■ 40.4276, 0.3275,
0.3000

Harmonies

Analogous

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



26.7066, 0.3610, 0.4919



26.7066, 0.2785, 0.4631



26.7066, 0.2099, 0.3760

Triad

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



26.7066, 0.2785, 0.4631



26.7066, 0.1916, 0.2007



26.7066, 0.4770, 0.3388

Complementary

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



26.7066, 0.2785, 0.4631



11.3543, 0.3891, 0.2313

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.



26.7066, 0.4183, 0.2802



26.7066, 0.2785, 0.4631



26.7066, 0.2469, 0.2047

Square

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



26.7066, 0.2785, 0.4631



26.7066, 0.1667, 0.2251



26.7066, 0.3292, 0.2329



26.7066, 0.4806, 0.4015

Rectangle

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



26.7066, 0.2785, 0.4631



26.7066, 0.1808, 0.3122



26.7066, 0.3292, 0.2329



26.7066, 0.4630, 0.3185

Sweetspot

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



26.7077, 0.2785, 0.4631



57.3276, 0.2995, 0.3622



29.4477, 0.3604, 0.5037



12.4162, 0.2979, 0.3671



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



26.7077, 0.2785, 0.4631



47.1774, 0.2779, 0.4972



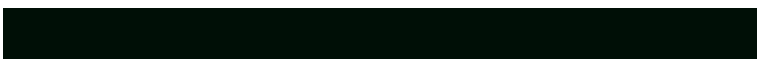
27.9664, 0.2442, 0.3556



7.4410, 0.3067, 0.3431



19.8581, 0.2816, 0.5339



0.3630, 0.2597, 0.4551

Inverse Universe

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



11.3543, 0.3891, 0.2313



17.2574, 0.4139, 0.2214



10.4309, 0.4982, 0.3094



6.7114, 0.3193, 0.3153



6.5277, 0.4440, 0.2220



0.1248, 0.3842, 0.1890

Previews

White Background



This preview shows how the Yxy color 26.7066, 0.2785, 0.4631 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 26.7066, 0.2785, 0.4631 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 26.7066, 0.2785, 0.4631

Background



This preview shows how black text looks on a background with the Yxy color 26.7066, 0.2785, 0.4631.



This preview shows how white text looks on a background with the Yxy color 26.7066, 0.2785, 0.4631.

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

26.7066, 0.2785, 0.4631

Protanopia

26.2004, 0.3842, 0.4160

Deuteranopia

26.1858, 0.3898, 0.3815



Tritanopia

26.7146, 0.2416, 0.3075

Trichromacy



Original Color

26.7066, 0.2785, 0.4631



Protanomaly

25.3706, 0.3360, 0.4355



Deuteranomaly

24.9624, 0.3389, 0.4100



Tritanomaly

26.5357, 0.2541, 0.3593

Monochromacy



Original Color

26.7066, 0.2785, 0.4631



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

20.9624, 0.2945, 0.3774

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.7066, 0.2785, 0.4631 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(53, 160, 94)` looks like.

```
.text, #text, p{  
    color:rgb(53, 160, 94)  
}
```

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(53, 160, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 160, 94) }
```

Border

The CSS property to change the border of an element to Yxy 26.7066, 0.2785, 0.4631 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(53, 160, 94) }
```

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

```
.border{ border-color:rgb(53, 160, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 160, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 160, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 160, 94);  
box-shadow:4px 4px 4px 4px rgb(53, 160,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 26.7066, 0.2785, 0.4631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 160, 94) }
```

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

```
.background{ background-color: rgb(53, 160,  
94) }
```

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