

Converting Colors

$Yxy(30.5684, 0.2643, 0.4077)$

Have a look what the booklet for
Yxy(30.5684, 0.2643, 0.4077)
contains.

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Color

Yxy(30.5684, 0.2643, 0.4077)

Conversions

Conversions Part 1

Format	Color
Hex	3FA87E
RGB	63, 168, 126
RGB Percent	25%, 66%, 49%
CMY	0.7531, 0.3412, 0.5059
CMYK	0.63, 0.00, 0.25, 0.34
HSL	156°, 45%, 45%
HSV	156°, 63%, 66%
XYZ	19.8166, 30.5684, 24.5927
YIQ	131.8170, -49.0980, -35.3220

Conversions

Conversions Part 2

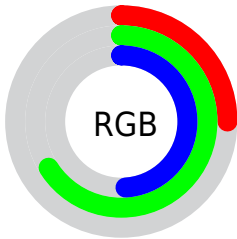
Format	Color
RYB	63, 129, 168
Decimal	4171902
CIELab	62.14, -40.33, 12.93
CIELCh	62, 42.355, 162.229
Yxy	30.5684, 0.2643, 0.4077
Android (android.graphics.Color)	4282361982 (0xFF3FA87E)
YUV	131.8170, -2.8678, -60.3525
Hunter-Lab	55.2887, -32.7772, 12.3296

Details

The Yxy color **30.5684, 0.2643, 0.4077** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **12.8967, 0.4253, 0.2679**, and the grayscale version is **23.0264, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.6309, 0.2746, 0.3901**, and **12.7973, 0.2544, 0.4358** is the 20% darker color. If you saturate the color by 10%, you get **29.9309, 0.2612, 0.4230**, and if you desaturate by 10%, it is **31.3887, 0.2691, 0.3928**.

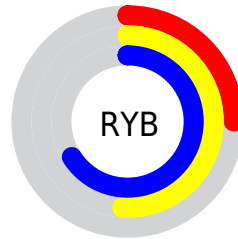
Distribution



Red (25%)

Green (66%)

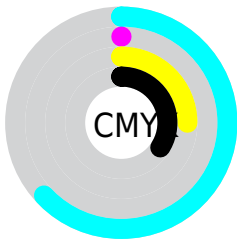
Blue (49%)



Red (25%)

Yellow (51%)

Blue (66%)

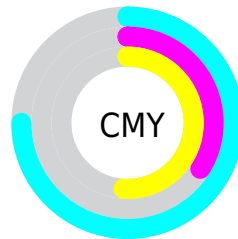


Cyan (63%)

Magenta (0%)

Yellow (25%)

Black (34%)



Cyan (75%)


Magenta (34%)

Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.5684, 0.2643, 0.4077 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 30.5684, 0.2643, 0.4077 by changing the saturation by 10% instead.


 30.5684, 0.2643,
0.4077


 30.5684, 0.2643,
0.4077


304.5450, 0.2911,
0.3636


 20.2704, 0.2566,
0.4206


 60.5599, 0.2747,
0.3904


 12.5918, 0.2461,
0.4384


 81.0222, 0.2784,
0.3843


 7.1480, 0.2309,
0.4646


 105.6415, 0.2815,
0.3793

 3.5549, 0.2070,
0.5068

 134.8020, 0.2840,
0.3751

 1.4278, 0.1285,
0.6261

 168.8882, 0.2862,
0.3716

 0.2371, 0.0000,
1.0000

208.2845, 0.2880,

 0.0000, 0.0000,

0.3686

0.0000

253.3753, 0.2897,
0.3659

■ 30.5684, 0.2643,
0.4077

■ 30.5684, 0.2643,
0.4077

■ 29.9309, 0.2612,
0.4230

■ 31.3887, 0.2691,
0.3928

■ 29.4565, 0.2601,
0.4384

■ 32.4023, 0.2755,
0.3786

■ 29.1271, 0.2609,
0.4536

■ 33.6232, 0.2831,
0.3652

■ 28.9435, 0.2624,
0.4648

■ 35.0628, 0.2916,
0.3529

■ 36.7320, 0.3008,
0.3416

■ 38.6408, 0.3103,
0.3314

■ 40.7984, 0.3200,
0.3223

■ 43.2138, 0.3296,
0.3142

■ 45.8955, 0.3391,
0.3070

Harmonies

Analogous

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



30.5684, 0.3284, 0.4503



30.5684, 0.2643, 0.4077



30.5684, 0.2165, 0.3376

Triad

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



30.5684, 0.2643, 0.4077



30.5684, 0.2306, 0.2242



30.5684, 0.4473, 0.3603

Complementary

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



30.5684, 0.2643, 0.4077



12.8967, 0.4253, 0.2679

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.



30.5684, 0.4165, 0.3095



30.5684, 0.2643, 0.4077



30.5684, 0.2851, 0.2352

Square

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



30.5684, 0.2643, 0.4077



30.5684, 0.1996, 0.2362



30.5684, 0.3542, 0.2654



30.5684, 0.4364, 0.4101

Rectangle

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



30.5684, 0.2643, 0.4077



30.5684, 0.1988, 0.2931



30.5684, 0.3542, 0.2654



30.5684, 0.4416, 0.3430

Sweetspot

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



30.5696, 0.2643, 0.4077



64.5357, 0.2945, 0.3492



31.3685, 0.3356, 0.5080



13.8929, 0.2920, 0.3524



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



30.5696, 0.2643, 0.4077



53.9440, 0.2606, 0.4289



28.1676, 0.2341, 0.3102



8.4805, 0.3038, 0.3382



21.8655, 0.2620, 0.4633



0.5417, 0.2482, 0.4136

Inverse Universe

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



12.8967, 0.4253, 0.2679



19.1933, 0.4660, 0.2624



13.5116, 0.4958, 0.3442



7.5902, 0.3226, 0.3200



6.6039, 0.5336, 0.2713



0.1708, 0.4483, 0.2243

Previews

White Background



This preview shows how the Yxy color 30.5684, 0.2643, 0.4077 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 30.5684, 0.2643, 0.4077 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

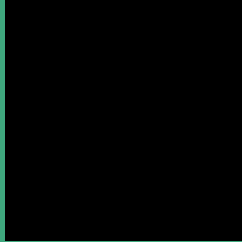
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.5684, 0.2643, 0.4077

Background



This preview shows how black text looks on a background with the Yxy color 30.5684, 0.2643, 0.4077.



This preview shows how white text looks on a background with the Yxy color 30.5684, 0.2643, 0.4077.

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

30.5684, 0.2643, 0.4077

Protanopia

30.1502, 0.3551, 0.3789

Deuteranopia

30.1313, 0.3545, 0.3485



Tritanopia

30.6413, 0.2401, 0.3070

Trichromacy



Original Color

30.5684, 0.2643, 0.4077

Protanomaly

29.4181, 0.3137, 0.3911

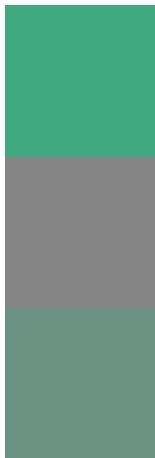
Deuteranomaly

29.1927, 0.3128, 0.3695

Tritanomaly

30.4411, 0.2486, 0.3411

Monochromacy



Original Color

30.5684, 0.2643, 0.4077

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

24.9883, 0.2885, 0.3566

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5684, 0.2643, 0.4077 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(63, 168, 126)` looks like.

```
.text, #text, p{  
    color:rgb(63, 168, 126)  
}
```

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(63, 168, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 168, 126) }
```

Border

The CSS property to change the border of an element to Yxy 30.5684, 0.2643, 0.4077 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(63, 168, 126) }
```

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

```
.border{ border-color:rgb(63, 168, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 168, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 168, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 168, 126);  
box-shadow:4px 4px 4px 4px rgb(63, 168,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 30.5684, 0.2643, 0.4077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 168, 126) }
```

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

```
.background{ background-color: rgb(63, 168,  
126) }
```

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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