

Converting Colors

$Y_{xy}(29.7409, 0.2961, 0.4573)$

Have a look what the booklet for
Yxy(29.7409, 0.2961, 0.4573)
contains.

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Color

Yxy(29.6123, 0.2960, 0.4569)

Conversions

Conversions Part 1

Format	Color
Hex	53A561
RGB	83, 165, 97
RGB Percent	33%, 65%, 38%
CMY	0.6743, 0.3530, 0.6196
CMYK	0.50, 0.00, 0.41, 0.35
HSL	130°, 33%, 49%
HSV	130°, 50%, 65%
XYZ	19.1842, 29.6123, 16.0149
YIQ	132.7300, -27.0440, -38.5320

Conversions

Conversions Part 2

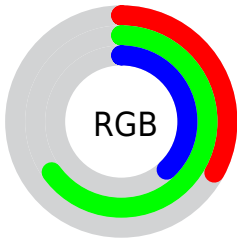
Format	Color
R_{YB}	83, 153, 165
Decimal	5481825
CIE Lab	61.32, -39.97, 27.73
CIE LCh	61, 48.653, 145.246
Yxy	29.6123, 0.2960, 0.4569
Android (android.graphics.Color)	4283671905 (0xFF53A561)
YUV	132.7300, -17.6149, -43.6132
Hunter-Lab	54.4172, -32.3019, 20.6431

Details

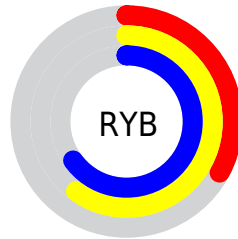
The Yxy color **29.6123, 0.2960, 0.4569** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **16.4307, 0.3370, 0.2287**, and the grayscale version is **23.4306, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.2543, 0.3016, 0.4288**, and **12.0043, 0.2850, 0.5087** is the 20% darker color. If you saturate the color by 10%, you get **28.7158, 0.2939, 0.4875**, and if you desaturate by 10%, it is **30.7339, 0.2988, 0.4269**.

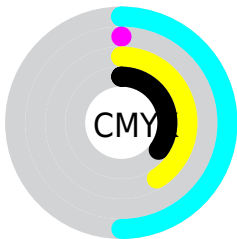
Distribution



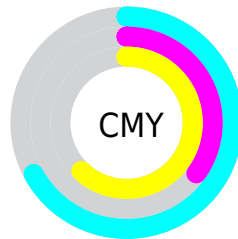
- Red (33%)
- Green (65%)
- Blue (38%)



- Red (33%)
- Yellow (60%)
- Blue (65%)



- Cyan (50%)
- Magenta (0%)
- Yellow (41%)
- Black (35%)




- Cyan (67%)
- Magenta (35%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.6123, 0.2960, 0.4569 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 29.6123, 0.2960, 0.4569 by changing the saturation by 10% instead.

 29.6123, 0.2960,
0.4569


 29.6123, 0.2960,
0.4569

300.0931, 0.3075,
0.3839


 19.5445, 0.2916,
0.4786


 59.0485, 0.3012,
0.4279


 12.0644, 0.2848,
0.5089


 79.1857, 0.3028,
0.4178


 6.7875, 0.2734,
0.5534


 103.4482, 0.3040,
0.4095

 3.3296, 0.2533,
0.6278

 132.2203, 0.3050,
0.4026

 1.3061, 0.1414,
0.8586

 165.8864, 0.3058,
0.3968

 0.1459, 0.0000,
1.0000

204.8310, 0.3065,

 0.0000, 0.0000,

0.3919

0.0000

249.4384, 0.3070,
0.3876

■ 29.6123, 0.2960,
0.4569

■ 29.6123, 0.2960,
0.4569

■ 28.7158, 0.2939,
0.4875

■ 30.7339, 0.2988,
0.4269

■ 28.0257, 0.2928,
0.5171

■ 32.0908, 0.3021,
0.3985

■ 27.5261, 0.2927,
0.5440

■ 33.6967, 0.3056,
0.3725


■ 27.1972, 0.2938,
0.5663

■ 35.5632, 0.3093,
0.3491

■ 26.9987, 0.2954,
0.5831


■ 37.7015, 0.3128,
0.3283

 26.9928, 0.2954,
0.5836

 40.1217, 0.3163,
0.3102

 42.8337, 0.3196,
0.2944

 45.8467, 0.3226,
0.2807

 49.1697, 0.3255,
0.2688

Harmonies

Analogous

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



29.6123, 0.3713, 0.4737



29.6123, 0.2960, 0.4569



29.6123, 0.2293, 0.3867

Triad

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



29.6123, 0.2960, 0.4569



29.6123, 0.1959, 0.2138



29.6123, 0.4544, 0.3296

Complementary

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



29.6123, 0.2960, 0.4569



16.4307, 0.3370, 0.2287

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.



29.6123, 0.3947, 0.2763



29.6123, 0.2960, 0.4569



29.6123, 0.2423, 0.2127

Square

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



29.6123, 0.2960, 0.4569



29.6123, 0.1776, 0.2425



29.6123, 0.3138, 0.2350



29.6123, 0.4679, 0.3873

Rectangle

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



29.6123, 0.2960, 0.4569



29.6123, 0.1985, 0.3294



29.6123, 0.3138, 0.2350



29.6123, 0.4389, 0.3110

Sweetspot

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



29.6135, 0.2960, 0.4569



61.7590, 0.3072, 0.3619



34.1459, 0.3697, 0.4534



13.3594, 0.3065, 0.3666



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



29.6135, 0.2960, 0.4569



51.2309, 0.2937, 0.4919



30.5762, 0.2670, 0.3782



7.9138, 0.3094, 0.3482



20.4270, 0.2951, 0.5823



0.4344, 0.2798, 0.5273

Inverse Universe

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



16.4307, 0.3370, 0.2287



24.7511, 0.3442, 0.2096



15.3286, 0.4012, 0.2867



7.1814, 0.3162, 0.3105



7.4226, 0.3682, 0.1802



0.1611, 0.3485, 0.1694

Previews

White Background



This preview shows how the Yxy color 29.6123, 0.2960, 0.4569 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 29.6123, 0.2960, 0.4569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

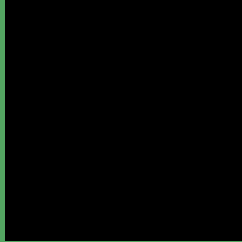
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.6123, 0.2960, 0.4569

Background



This preview shows how black text looks on a background with the Yxy color 29.6123, 0.2960, 0.4569.



This preview shows how white text looks on a background with the Yxy color 29.6123, 0.2960, 0.4569.

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

29.6123, 0.2960, 0.4569

Protanopia

29.1827, 0.3851, 0.4166

Deuteranopia

29.1430, 0.3918, 0.3850



Tritanopia

29.6878, 0.2546, 0.3088

Trichromacy



Original Color

29.6123, 0.2960, 0.4569

Protanomaly

28.8881, 0.3474, 0.4324

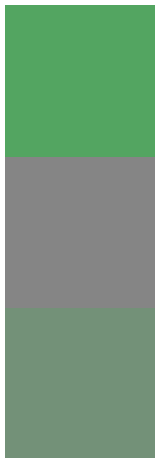
Deuteranomaly

28.5031, 0.3515, 0.4105

Tritanomaly

29.5045, 0.2695, 0.3591

Monochromacy



Original Color

29.6123, 0.2960, 0.4569

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

25.2517, 0.3054, 0.3747

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6123, 0.2960, 0.4569 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(83, 165, 97)` looks like.

```
.text, #text, p{  
    color:rgb(83, 165, 97)  
}
```

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(83, 165, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 165, 97) }
```

Border

The CSS property to change the border of an element to Yxy 29.6123, 0.2960, 0.4569 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(83, 165, 97) }
```

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

```
.border{ border-color:rgb(83, 165, 97) }
```

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

Here you see how a box with a 4 pixel rgb(83, 165, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 165, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 165, 97);  
box-shadow:4px 4px 4px 4px rgb(83, 165,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6123, 0.2960, 0.4569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 165, 97) }
```

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

```
.background{ background-color: rgb(83, 165,  
97) }
```

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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