

Converting Colors

$Y_{xy}(27.7806, 0.2964, 0.5233)$

Have a look what the booklet for
Yxy(27.7806, 0.2964, 0.5233)
contains.

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Color

Yxy(27.6895, 0.2967, 0.5234)

Conversions

Conversions Part 1

Format	Color
Hex	35A441
RGB	53, 164, 65
RGB Percent	21%, 64%, 25%
CMY	0.7923, 0.3568, 0.7451
CMYK	0.68, 0.00, 0.60, 0.36
HSL	126°, 51%, 43%
HSV	126°, 68%, 64%
XYZ	15.6964, 27.6895, 9.5173
YIQ	119.5250, -34.3770, -54.3210

Conversions

Conversions Part 2

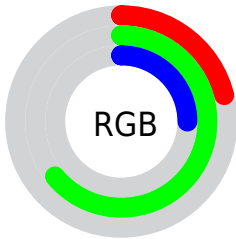
Format	Color
R_{YB}	53, 153, 164
Decimal	3515457
CIE _{Lab}	59.61, -51.57, 41.60
CIE _{LCh}	60, 66.259, 141.111
Yxy	27.6895, 0.2967, 0.5234
Android (android.graphics.Color)	4281705537 (0xFF35A441)
YUV	119.5250, -26.8808, -58.3424
Hunter-Lab	52.6208, -38.8413, 26.1111

Details

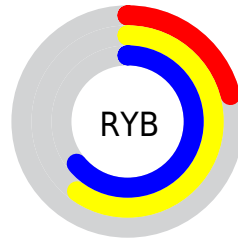
The Yxy color **27.6895, 0.2967, 0.5234** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **12.7027, 0.3375, 0.1927**, and the grayscale version is **18.7160, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.0248, 0.3046, 0.4782**, and **11.3930, 0.2969, 0.5888** is the 20% darker color. If you saturate the color by 10%, you get **27.1719, 0.2962, 0.5510**, and if you desaturate by 10%, it is **28.4053, 0.2980, 0.4924**.

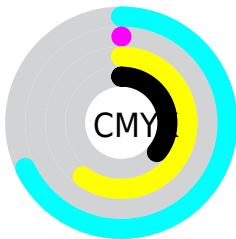
Distribution



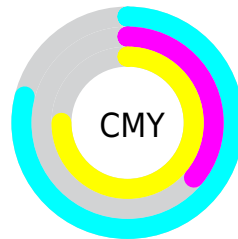
- Red (21%)
- Green (64%)
- Blue (25%)



- Red (21%)
- Yellow (60%)
- Blue (64%)



- Cyan (68%)
- Magenta (0%)
- Yellow (60%)
- Black (36%)





- Cyan (79%)
- Magenta (36%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.6895, 0.2967, 0.5234 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 27.6895, 0.2967, 0.5234 by changing the saturation by 10% instead.


 27.6895, 0.2967,
0.5234


 27.6895, 0.2967,
0.5234


290.9802, 0.3113,
0.4102


 18.0917, 0.2895,
0.5572


 55.9883, 0.3043,
0.4781

 11.0159, 0.2773,
0.6035


 75.4582, 0.3064,
0.4624


 6.0775, 0.2560,
0.6711

 98.9875, 0.3079,
0.4496

 2.8923, 0.2175,
0.7825

 126.9607, 0.3090,
0.4390

 1.0757, 0.0000,
1.0000

 159.7622, 0.3098,
0.4300

 0.0000, 0.0000,
0.0000

197.7764, 0.3104,

0.4224

241.3876, 0.3109,
0.4159

■ 27.6895, 0.2967,
0.5234

■ 27.6895, 0.2967,
0.5234

■ 27.1719, 0.2962,
0.5510

■ 28.4053, 0.2980,
0.4924

■ 26.8293, 0.2966,
0.5732

■ 29.3331, 0.3000,
0.4601

■ 26.6319, 0.2975,
0.5887

■ 30.4890, 0.3024,
0.4282

■ 26.5959, 0.2976,
0.5914

■ 31.8870, 0.3051,
0.3982

■ 33.5398, 0.3079,
0.3706

■ 35.4592, 0.3106,
0.3460

■ 37.6563, 0.3133,
0.3243

■ 40.1416, 0.3159,
0.3053

■ 42.9249, 0.3182,
0.2889

Harmonies

Analogous

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



27.6895, 0.3951, 0.5222



27.6895, 0.2967, 0.5234



27.6895, 0.2076, 0.4279

Triad

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



27.6895, 0.2967, 0.5234



27.6895, 0.1555, 0.1800



27.6895, 0.5011, 0.3131

Complementary

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



27.6895, 0.2967, 0.5234



12.7027, 0.3375, 0.1927

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.



27.6895, 0.4103, 0.2492



27.6895, 0.2967, 0.5234



27.6895, 0.2075, 0.1766

Square

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



27.6895, 0.2967, 0.5234



27.6895, 0.1374, 0.2178



27.6895, 0.2968, 0.2010



27.6895, 0.5235, 0.3841

Rectangle

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



27.6895, 0.2967, 0.5234



27.6895, 0.1665, 0.3414



27.6895, 0.2968, 0.2010



27.6895, 0.4769, 0.2907

Sweetspot

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



27.6906, 0.2967, 0.5234



60.0275, 0.3071, 0.3777



33.5726, 0.3917, 0.4864



12.9461, 0.3064, 0.3850



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.



27.6906, 0.2967, 0.5234



48.9806, 0.2963, 0.5625



28.6552, 0.2625, 0.4154



7.9069, 0.3102, 0.3496



20.3946, 0.2973, 0.5905



0.4320, 0.2865, 0.5513

Inverse Universe

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



12.7027, 0.3375, 0.1927



19.8498, 0.3435, 0.1772



11.3066, 0.4397, 0.2650



7.1889, 0.3153, 0.3092



7.6527, 0.3496, 0.1700



0.1643, 0.3380, 0.1636

Previews

White Background



This preview shows how the Yxy color 27.6895, 0.2967, 0.5234 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 27.6895, 0.2967, 0.5234 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 27.6895, 0.2967, 0.5234

Background



This preview shows how black text looks on a background with the Yxy color 27.6895, 0.2967, 0.5234.



This preview shows how white text looks on a background with the Yxy color 27.6895, 0.2967, 0.5234.

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

27.6895, 0.2967, 0.5234

Protanopia

27.3316, 0.4128, 0.4529

Deuteranopia

27.2033, 0.4260, 0.4186



Tritanopia

27.6582, 0.2440, 0.3079

Trichromacy



Original Color

27.6895, 0.2967, 0.5234



Protanomaly

26.4632, 0.3599, 0.4846



Deuteranomaly

25.8253, 0.3688, 0.4591



Tritanomaly

27.3783, 0.2638, 0.3844

Monochromacy



Original Color

27.6895, 0.2967, 0.5234



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

21.0152, 0.3050, 0.4025

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6895, 0.2967, 0.5234 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, 164, 65)` looks like.

```
.text, #text, p{  
    color:rgb(53, 164, 65)  
}
```

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, 164, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 164, 65) }
```

Border

The CSS property to change the border of an element to Yxy 27.6895, 0.2967, 0.5234 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, 164, 65) }
```

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

```
.border{ border-color:rgb(53, 164, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 164, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 164, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 164, 65);  
box-shadow:4px 4px 4px 4px rgb(53, 164,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6895, 0.2967, 0.5234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 164, 65) }
```

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

```
.background{ background-color: rgb(53, 164,  
65) }
```

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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