

Converting Colors

$Y_{xy}(30.5553, 0.2881, 0.4951)$

Have a look what the booklet for
Yxy(30.5553, 0.2881, 0.4951)
contains.

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Color

Yxy(30.6067, 0.2881, 0.4956)

Conversions

Conversions Part 1

Format	Color
Hex	38AB54
RGB	56, 171, 84
RGB Percent	22%, 67%, 33%
CMY	0.7806, 0.3294, 0.6706
CMYK	0.67, 0.00, 0.51, 0.33
HSL	135°, 51%, 45%
HSV	135°, 67%, 67%
XYZ	17.7922, 30.6067, 13.3580
YIQ	126.6970, -40.6130, -51.4370

Conversions

Conversions Part 2

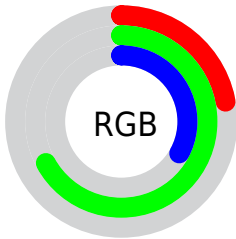
Format	Color
RYB	56, 148, 171
Decimal	3713876
CIELab	62.17, -50.94, 35.41
CIELCh	62, 62.032, 145.197
Yxy	30.6067, 0.2881, 0.4956
Android (android.graphics.Color)	4281903956 (0xFF38AB54)
YUV	126.6970, -21.0496, -62.0013
Hunter-Lab	55.3233, -39.4097, 24.4105

Details

The Yxy color **30.6067, 0.2881, 0.4956** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **13.4643, 0.3621, 0.2105**, and the grayscale version is **21.1944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.4693, 0.2964, 0.4575**, and **12.8439, 0.2869, 0.5530** is the 20% darker color. If you saturate the color by 10%, you get **30.0127, 0.2879, 0.5225**, and if you desaturate by 10%, it is **31.4088, 0.2897, 0.4673**.

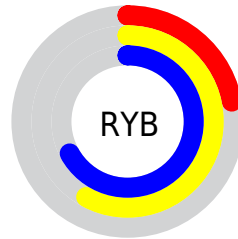
Distribution



Red (22%)

Green (67%)

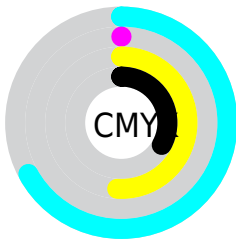
Blue (33%)



Red (22%)

Yellow (58%)

Blue (67%)

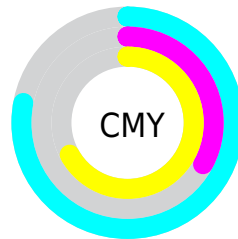


Cyan (67%)

Magenta (0%)

Yellow (51%)

Black (33%)



Cyan (78%)


Magenta (33%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.6067, 0.2881, 0.4956 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 30.6067, 0.2881, 0.4956 by changing the saturation by 10% instead.


 30.6067, 0.2881,
0.4956


 30.6067, 0.2881,
0.4956


304.7223, 0.3055,
0.3999

 20.2995, 0.2813,
0.5240


 60.6203, 0.2960,
0.4576


 12.6130, 0.2708,
0.5631


 81.0956, 0.2985,
0.4443

 7.1626, 0.2531,
0.6195

 105.7290, 0.3003,
0.4335

 3.5640, 0.2286,
0.7308

 134.9050, 0.3018,
0.4245

 1.4328, 0.0256,
0.9744

 169.0079, 0.3030,
0.4169

 0.2407, 0.0000,
1.0000

208.4222, 0.3040,

 0.0000, 0.0000,

0.4104

0.0000

253.5322, 0.3048,
0.4048

■ 30.6067, 0.2881,
0.4956

■ 30.6067, 0.2881,
0.4956

■ 30.0127, 0.2879,
0.5225

■ 31.4088, 0.2897,
0.4673

■ 29.6031, 0.2890,
0.5465

■ 32.4327, 0.2924,
0.4390

■ 29.3495, 0.2914,
0.5663

■ 33.6951, 0.2960,
0.4118

■ 29.2934, 0.2920,
0.5711

■ 35.2100, 0.3002,
0.3865

■ 36.9904, 0.3047,
0.3633

■ 39.0483, 0.3094,
0.3426

■ 41.3952, 0.3140,
0.3242

■ 44.0416, 0.3184,
0.3081

■ 46.9976, 0.3227,
0.2941

Harmonies

Analogous

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



30.6067, 0.3795, 0.5101



30.6067, 0.2881, 0.4956



30.6067, 0.2082, 0.4024

Triad

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



30.6067, 0.2881, 0.4956



30.6067, 0.1716, 0.1892



30.6067, 0.4907, 0.3252

Complementary

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



30.6067, 0.2881, 0.4956



13.4643, 0.3621, 0.2105

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.



30.6067, 0.4151, 0.2635



30.6067, 0.2881, 0.4956



30.6067, 0.2255, 0.1892

Square

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



30.6067, 0.2881, 0.4956



30.6067, 0.1504, 0.2208



30.6067, 0.3124, 0.2154



30.6067, 0.5040, 0.3930

Rectangle

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



30.6067, 0.2881, 0.4956



30.6067, 0.1727, 0.3267



30.6067, 0.3124, 0.2154



30.6067, 0.4715, 0.3037

Sweetspot

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



30.6080, 0.2881, 0.4956



65.2102, 0.3033, 0.3702



35.3572, 0.3759, 0.4958



14.3464, 0.3021, 0.3765



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



30.6080, 0.2881, 0.4956



53.3297, 0.2883, 0.5353



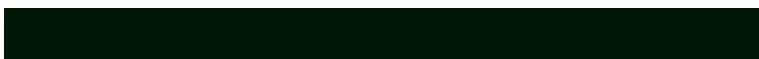
31.8709, 0.2530, 0.3849



8.9702, 0.3084, 0.3466



22.0882, 0.2915, 0.5695



0.6231, 0.2749, 0.5097

Inverse Universe

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



13.4643, 0.3621, 0.2105



20.3885, 0.3768, 0.1973



12.1647, 0.4706, 0.2875



8.1142, 0.3173, 0.3120



7.7364, 0.3927, 0.1937



0.2232, 0.3669, 0.1795

Previews

White Background



This preview shows how the Yxy color 30.6067, 0.2881, 0.4956 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 30.6067, 0.2881, 0.4956 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 30.6067, 0.2881, 0.4956

Background



This preview shows how black text looks on a background with the Yxy color 30.6067, 0.2881, 0.4956.



This preview shows how white text looks on a background with the Yxy color 30.6067, 0.2881, 0.4956.

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

30.6067, 0.2881, 0.4956

Protanopia

30.0300, 0.4001, 0.4352

Deuteranopia

29.9251, 0.4104, 0.4011



Tritanopia

30.4305, 0.2425, 0.3070

Trichromacy



Original Color

30.6067, 0.2881, 0.4956



Protanomaly

29.0531, 0.3483, 0.4608



Deuteranomaly

28.7213, 0.3554, 0.4380



Tritanomaly

30.2892, 0.2593, 0.3725

Monochromacy



Original Color

30.6067, 0.2881, 0.4956



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

23.5593, 0.2997, 0.3910

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.6067, 0.2881, 0.4956 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(56, 171, 84)` looks like.

```
.text, #text, p{  
    color:rgb(56, 171, 84)  
}
```

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(56, 171, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 171, 84) }
```

Border

The CSS property to change the border of an element to Yxy 30.6067, 0.2881, 0.4956 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(56, 171, 84) }
```

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

```
.border{ border-color:rgb(56, 171, 84) }
```

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

Here you see how a box with a 4 pixel rgb(56, 171, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 171, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 171, 84);  
box-shadow:4px 4px 4px 4px rgb(56, 171,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 30.6067, 0.2881, 0.4956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 171, 84) }
```

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

```
.background{ background-color: rgb(56, 171,  
84) }
```

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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