

Converting Colors

$Yxy(29.5943, 0.2782, 0.4941)$

Have a look what the booklet for
Yxy(29.5943, 0.2782, 0.4941)
contains.

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Color

Yxy(29.4051, 0.2780, 0.4936)

Conversions

Conversions Part 1

Format	Color
Hex	23A956
RGB	35, 169, 86
RGB Percent	14%, 66%, 34%
CMY	0.8627, 0.3372, 0.6627
CMYK	0.79, 0.00, 0.49, 0.34
HSL	143°, 66%, 40%
HSV	143°, 79%, 66%
XYZ	16.5612, 29.4051, 13.6064
YIQ	119.4720, -53.2210, -54.2210

Conversions

Conversions Part 2

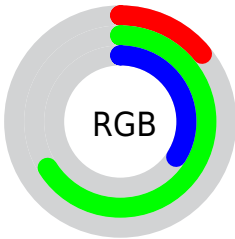
Format	Color
R_{YB}	35, 132, 169
Decimal	2337110
CIE _{Lab}	61.14, -53.22, 33.01
CIE _{LCh}	61, 62.625, 148.195
Yxy	29.4051, 0.2780, 0.4936
Android (android.graphics.Color)	4280527190 (0xFF23A956)
YUV	119.4720, -16.5017, -74.0819
Hunter-Lab	54.2265, -40.3809, 23.0816

Details

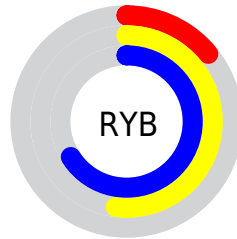
The Yxy color **29.4051, 0.2780, 0.4936** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **10.9473, 0.4098, 0.2217**, and the grayscale version is **18.6740, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.5401, 0.2880, 0.4553**, and **12.4014, 0.2846, 0.5447** is the 20% darker color. If you saturate the color by 10%, you get **29.0218, 0.2795, 0.5157**, and if you desaturate by 10%, it is **29.9579, 0.2783, 0.4702**.

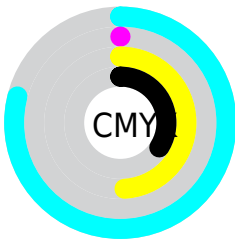
Distribution



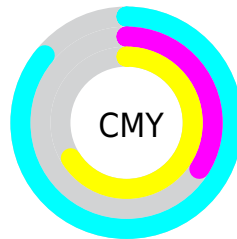
- Red (14%)
- Green (66%)
- Blue (34%)



- Red (14%)
- Yellow (52%)
- Blue (66%)



- Cyan (79%)
- Magenta (0%)
- Yellow (49%)
- Black (34%)





- Cyan (86%)
- Magenta (34%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.4051, 0.2780, 0.4936 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 29.4051, 0.2780, 0.4936 by changing the saturation by 10% instead.


 29.4051, 0.2780,
0.4936


 29.4051, 0.2780,
0.4936


299.1216, 0.3007,
0.3983


 19.3875, 0.2699,
0.5224


 58.7201, 0.2879,
0.4554

 11.9506, 0.2575,
0.5624


 78.7863, 0.2911,
0.4422

 6.7100, 0.2373,
0.6210


 102.9707, 0.2936,
0.4314

 3.2814, 0.2085,
0.7375

 131.6579, 0.2956,
0.4225

 1.2804, 0.0000,
1.0000

 165.2322, 0.2972,
0.4150

 0.1259, 0.0000,
1.0000

 204.0780, 0.2986,

 0.0000, 0.0000,

0.4086

0.0000

248.5796, 0.2997,
0.4031

■ 29.4051, 0.2780,
0.4936

■ 29.4051, 0.2780,
0.4936

■ 29.0218, 0.2795,
0.5157

■ 29.9579, 0.2783,
0.4702

■ 28.7669, 0.2824,
0.5358

■ 30.6957, 0.2803,
0.4463

■ 28.7503, 0.2826,
0.5372

■ 31.6360, 0.2838,
0.4229

■ 32.7934, 0.2885,
0.4005

■ 34.1809, 0.2941,
0.3796

■ 35.8107, 0.3002,
0.3605

■ 37.6939, 0.3067,
0.3433

■ 39.8410, 0.3132,
0.3280

■ 42.2619, 0.3197,
0.3144

Harmonies

Analogous

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



29.4051, 0.3711, 0.5164



29.4051, 0.2780, 0.4936



29.4051, 0.1994, 0.3922

Triad

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



29.4051, 0.2780, 0.4936



29.4051, 0.1730, 0.1853



29.4051, 0.4992, 0.3313

Complementary

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



29.4051, 0.2780, 0.4936



10.9473, 0.4098, 0.2217

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.



29.4051, 0.4272, 0.2679



29.4051, 0.2780, 0.4936



29.4051, 0.2311, 0.1882

Square

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



29.4051, 0.2780, 0.4936



29.4051, 0.1483, 0.2135



29.4051, 0.3225, 0.2173



29.4051, 0.5055, 0.4004

Rectangle

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



29.4051, 0.2780, 0.4936



29.4051, 0.1660, 0.3155



29.4051, 0.3225, 0.2173



29.4051, 0.4817, 0.3093

Sweetspot

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



29.4063, 0.2780, 0.4936



62.5738, 0.2970, 0.3701



32.4824, 0.3619, 0.5291



13.4273, 0.2949, 0.3768



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.



29.4063, 0.2780, 0.4936



51.6328, 0.2817, 0.5308



30.9733, 0.2390, 0.3615



8.4532, 0.3066, 0.3433



21.4367, 0.2820, 0.5352



0.5316, 0.2627, 0.4659

Inverse Universe

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



10.9473, 0.4098, 0.2217



17.2396, 0.4393, 0.2217



9.8946, 0.5530, 0.3108



7.6175, 0.3193, 0.3151



7.0528, 0.4434, 0.2216



0.1811, 0.3937, 0.1942

Previews

White Background



This preview shows how the Yxy color 29.4051, 0.2780, 0.4936 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 29.4051, 0.2780, 0.4936 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 29.4051, 0.2780, 0.4936

Background



This preview shows how black text looks on a background with the Yxy color 29.4051, 0.2780, 0.4936.



This preview shows how white text looks on a background with the Yxy color 29.4051, 0.2780, 0.4936.

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

29.4051, 0.2780, 0.4936

Protanopia

28.9946, 0.3962, 0.4333

Deuteranopia

28.7766, 0.4041, 0.3974



Tritanopia

29.1525, 0.2367, 0.3064

Trichromacy



Original Color

29.4051, 0.2780, 0.4936



Protanomaly

27.6816, 0.3378, 0.4612



Deuteranomaly

27.2314, 0.3424, 0.4364



Tritanomaly

29.0473, 0.2510, 0.3699

Monochromacy



Original Color

29.4051, 0.2780, 0.4936



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

21.0276, 0.2904, 0.3909

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.4051, 0.2780, 0.4936 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(35, 169, 86)` looks like.

```
.text, #text, p{  
    color:rgb(35, 169, 86)  
}
```

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(35, 169, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 169, 86) }
```

Border

The CSS property to change the border of an element to Yxy 29.4051, 0.2780, 0.4936 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(35, 169, 86) }
```

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

```
.border{ border-color:rgb(35, 169, 86) }
```

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

Here you see how a box with a 4 pixel rgb(35, 169, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 169, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 169, 86);  
box-shadow:4px 4px 4px 4px rgb(35, 169,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 29.4051, 0.2780, 0.4936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 169, 86) }
```

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

```
.background{ background-color: rgb(35, 169,  
86) }
```

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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