

Converting Colors

$Yxy(30.0158, 0.3137, 0.5252)$

Have a look what the booklet for
Yxy(30.0158, 0.3137, 0.5252)
contains.

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Color

Yxy(29.9200, 0.3137, 0.5243)

Conversions

Conversions Part 1

Format	Color
Hex	4DA83D
RGB	77, 168, 61
RGB Percent	30%, 66%, 24%
CMY	0.6983, 0.3411, 0.7608
CMYK	0.54, 0.00, 0.64, 0.34
HSL	111°, 47%, 45%
HSV	111°, 64%, 66%
XYZ	17.9018, 29.9200, 9.2448
YIQ	128.5930, -19.8890, -52.5690

Conversions

Conversions Part 2

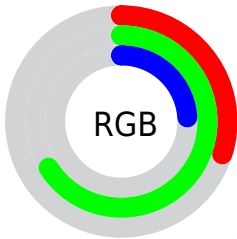
Format	Color
RYB	61, 168, 152
Decimal	5089341
CIELab	61.59, -47.81, 45.86
CIELCh	62, 66.251, 136.190
Yxy	29.9200, 0.3137, 0.5243
Android (android.graphics.Color)	4283279421 (0xFF4DA83D)
YUV	128.5930, -33.3233, -45.2471
Hunter-Lab	54.6992, -37.3046, 28.2687

Details

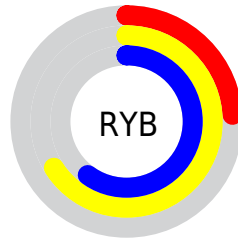
The Yxy color **29.9200, 0.3137, 0.5243** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **12.8452, 0.2975, 0.1761**, and the grayscale version is **21.9223, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5719, 0.3181, 0.4801**, and **12.2637, 0.2997, 0.5990** is the 20% darker color. If you saturate the color by 10%, you get **29.2375, 0.3117, 0.5527**, and if you desaturate by 10%, it is **30.7925, 0.3150, 0.4921**.

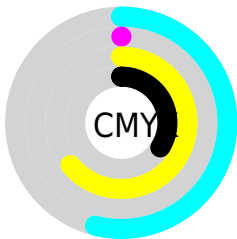
Distribution



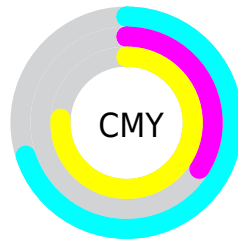
- Red (30%)
- Green (66%)
- Blue (24%)



- Red (24%)
- Yellow (66%)
- Blue (60%)



- Cyan (54%)
- Magenta (0%)
- Yellow (64%)
- Black (34%)




- Cyan (70%)
- Magenta (34%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.9200, 0.3137, 0.5243 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 29.9200, 0.3137, 0.5243 by changing the saturation by 10% instead.


 29.9200, 0.3137,
0.5243

 29.9200, 0.3137,
0.5243


301.5314, 0.3195,
0.4128


 19.7779, 0.3087,
0.5562


 59.5356, 0.3180,
0.4806


 12.2337, 0.2996,
0.5989

 79.7779, 0.3189,
0.4651


 6.9030, 0.2828,
0.6597


 104.1558, 0.3194,
0.4524

 3.4015, 0.2497,
0.7503

 133.0535, 0.3197,
0.4418

 1.3448, 0.0372,
0.9628

 166.8555, 0.3197,
0.4329

 0.1755, 0.0000,
1.0000

205.9462, 0.3197,

 0.0000, 0.0000,

0.4252

0.0000

250.7101, 0.3196,
0.4186

■ 29.9200, 0.3137,
0.5243

■ 29.9200, 0.3137,
0.5243

■ 29.2375, 0.3117,
0.5527

■ 30.7925, 0.3150,
0.4921

■ 28.7269, 0.3091,
0.5750

■ 31.8637, 0.3156,
0.4583

■ 28.3732, 0.3061,
0.5899

■ 33.1466, 0.3155,
0.4249

■ 28.2163, 0.3045,
0.5964

■ 34.6517, 0.3150,
0.3932

■ 36.3890, 0.3142,
0.3641

■ 38.3678, 0.3131,
0.3379

■ 40.5970, 0.3120,
0.3147

■ 43.0848, 0.3107,
0.2944

■ 45.8393, 0.3094,
0.2767

Harmonies

Analogous

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



29.9200, 0.4092, 0.5106



29.9200, 0.3137, 0.5243



29.9200, 0.2228, 0.4450

Triad

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



29.9200, 0.3137, 0.5243



29.9200, 0.1534, 0.1866



29.9200, 0.4857, 0.3030

Complementary

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



29.9200, 0.3137, 0.5243



12.8452, 0.2975, 0.1761

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.



29.9200, 0.3898, 0.2419



29.9200, 0.3137, 0.5243



29.9200, 0.1989, 0.1781

Square

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



29.9200, 0.3137, 0.5243



29.9200, 0.1409, 0.2307



29.9200, 0.2807, 0.1978



29.9200, 0.5202, 0.3722

Rectangle

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



29.9200, 0.3137, 0.5243



29.9200, 0.1780, 0.3617



29.9200, 0.2807, 0.1978



29.9200, 0.4587, 0.2814

Sweetspot

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



29.9213, 0.3137, 0.5243



64.1904, 0.3147, 0.3802



31.1054, 0.4134, 0.4558



13.8073, 0.3149, 0.3883



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.



29.9213, 0.3137, 0.5243



52.6709, 0.3108, 0.5617



29.8912, 0.2814, 0.4633



8.4594, 0.3138, 0.3522



21.3195, 0.3049, 0.5961



0.5342, 0.3221, 0.5825

Inverse Universe

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



12.8452, 0.2975, 0.1761



19.1732, 0.2925, 0.1538



13.2891, 0.3780, 0.2295



7.6091, 0.3115, 0.3066



6.5596, 0.2842, 0.1339



0.1745, 0.2971, 0.1410

Previews

White Background



This preview shows how the Yxy color 29.9200, 0.3137, 0.5243 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 29.9200, 0.3137, 0.5243 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 29.9200, 0.3137, 0.5243

Background



This preview shows how black text looks on a background with the Yxy color 29.9200, 0.3137, 0.5243.



This preview shows how white text looks on a background with the Yxy color 29.9200, 0.3137, 0.5243.

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

29.9200, 0.3137, 0.5243

Protanopia

29.4550, 0.4178, 0.4592

Deuteranopia

29.4245, 0.4329, 0.4261



Tritanopia

29.6689, 0.2532, 0.3071

Trichromacy



Original Color

29.9200, 0.3137, 0.5243

Protanomaly

28.7246, 0.3745, 0.4860

Deuteranomaly

28.4559, 0.3835, 0.4634

Tritanomaly

29.3256, 0.2772, 0.3854

Monochromacy



Original Color

29.9200, 0.3137, 0.5243

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

23.9594, 0.3154, 0.4031

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9200, 0.3137, 0.5243 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(77, 168, 61)` looks like.

```
.text, #text, p{  
    color:rgb(77, 168, 61)  
}
```

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(77, 168, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 168, 61) }
```

Border

The CSS property to change the border of an element to Yxy 29.9200, 0.3137, 0.5243 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(77, 168, 61) }
```

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

```
.border{ border-color:rgb(77, 168, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 168, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 168, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 168, 61);  
box-shadow:4px 4px 4px 4px rgb(77, 168,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9200, 0.3137, 0.5243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 168, 61) }
```

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

```
.background{ background-color: rgb(77, 168,  
61) }
```

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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