

Converting Colors

$Yxy(29.6287, 0.2826, 0.5050)$

Have a look what the booklet for
Yxy(29.6287, 0.2826, 0.5050)
contains.

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Color

Yxy(29.7407, 0.2826, 0.5057)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 26AA50 |
| RGB | 38, 170, 80 |
| RGB Percent | 15%, 67%, 31% |
| CMY | 0.8512, 0.3333, 0.6863 |
| CMYK | 0.78, 0.00, 0.53, 0.33 |
| HSL | 139°, 64%, 41% |
| HSV | 139°, 78%, 67% |
| XYZ | 16.6200, 29.7407, 12.4503 |
| YIQ | 120.2720, -49.7820, -55.9740 |

Conversions

Conversions Part 2

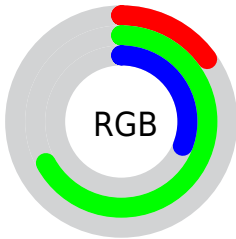
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 38, 138, 170 |
| Decimal | 2533968 |
| CIELab | 61.43, -54.15, 36.43 |
| CIELCh | 61, 65.263, 146.073 |
| Yxy | 29.7407, 0.2826, 0.5057 |
| Android (android.graphics.Color) | 4280724048 (0xFF26AA50) |
| YUV | 120.2720, -19.8541, -72.1525 |
| Hunter-Lab | 54.5350, -41.0370, 24.6387 |

Details

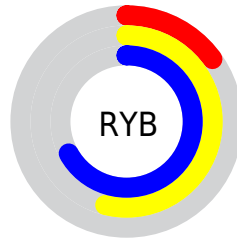
The Yxy color **29.7407, 0.2826, 0.5057** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **11.4874, 0.3907, 0.2121**, and the grayscale version is **18.9461, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.0347, 0.2921, 0.4646**, and **12.5897, 0.2890, 0.5604** is the 20% darker color. If you saturate the color by 10%, you get **29.3329, 0.2839, 0.5291**, and if you desaturate by 10%, it is **30.3279, 0.2829, 0.4804**.

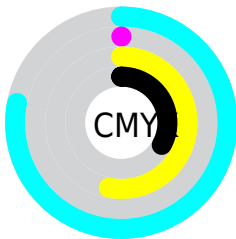
Distribution



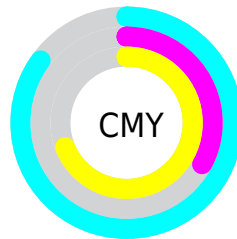
- Red (15%)
- Green (67%)
- Blue (31%)



- Red (15%)
- Yellow (54%)
- Blue (67%)



- Cyan (78%)
- Magenta (0%)
- Yellow (53%)
- Black (33%)





- Cyan (85%)
- Magenta (33%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7407, 0.2826, 0.5057 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 29.7407, 0.2826, 0.5057 by changing the saturation by 10% instead.


 29.7407, 0.2826,
0.5057


 29.7407, 0.2826,
0.5057


300.6939, 0.3035,
0.4034


 19.6419, 0.2746,
0.5363


 59.2519, 0.2920,
0.4649

 12.1350, 0.2622,
0.5786


 79.4330, 0.2950,
0.4507

 6.8357, 0.2415,
0.6397


 103.7436, 0.2972,
0.4391

 3.3595, 0.2161,
0.7755

 132.5682, 0.2990,
0.4295

 1.3222, 0.0000,
1.0000

 166.2912, 0.3004,
0.4214

 0.1583, 0.0000,
1.0000

205.2968, 0.3016,

 0.0000, 0.0000,

0.4146

0.0000

249.9696, 0.3026,
0.4086

■ 29.7407, 0.2826,
0.5057

■ 29.7407, 0.2826,
0.5057

■ 29.3329, 0.2839,
0.5291

■ 30.3279, 0.2829,
0.4804

■ 29.0708, 0.2866,
0.5497

■ 31.1102, 0.2848,
0.4544

■ 29.0193, 0.2872,
0.5541

■ 32.1053, 0.2881,
0.4288

■ 33.3282, 0.2923,
0.4042

■ 34.7922, 0.2973,
0.3814

■ 36.5097, 0.3027,
0.3606

■ 38.4922, 0.3084,
0.3419

■ 40.7506, 0.3140,
0.3253

■ 43.2950, 0.3196,
0.3107

Harmonies

Analogous

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



29.7407, 0.3785, 0.5214



29.7407, 0.2826, 0.5057



29.7407, 0.2000, 0.4034

Triad

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



29.7407, 0.2826, 0.5057



29.7407, 0.1660, 0.1819



29.7407, 0.5028, 0.3256

Complementary

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



29.7407, 0.2826, 0.5057



11.4874, 0.3907, 0.2121

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.



29.7407, 0.4242, 0.2615



29.7407, 0.2826, 0.5057



29.7407, 0.2228, 0.1831

Square

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



29.7407, 0.2826, 0.5057



29.7407, 0.1431, 0.2130



29.7407, 0.3150, 0.2111



29.7407, 0.5135, 0.3960

Rectangle

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



29.7407, 0.2826, 0.5057



29.7407, 0.1641, 0.3223



29.7407, 0.3150, 0.2111



29.7407, 0.4832, 0.3033

Sweetspot

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



29.7419, 0.2826, 0.5057



64.3918, 0.2996, 0.3723



33.4953, 0.3685, 0.5217



14.1239, 0.2977, 0.3798



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.



29.7419, 0.2826, 0.5057



52.8661, 0.2858, 0.5438



31.2319, 0.2432, 0.3734



8.4456, 0.3075, 0.3448



21.3543, 0.2867, 0.5521



0.5288, 0.2675, 0.4830

Inverse Universe

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



11.4874, 0.3907, 0.2121



18.2690, 0.4137, 0.2083



10.2792, 0.5332, 0.3020



7.6254, 0.3184, 0.3137



7.2227, 0.4195, 0.2084



0.1844, 0.3800, 0.1867

Previews

White Background



This preview shows how the Yxy color 29.7407, 0.2826, 0.5057 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 29.7407, 0.2826, 0.5057 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

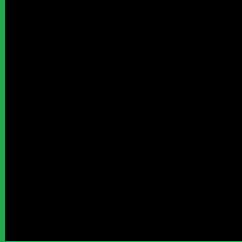
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.7407, 0.2826, 0.5057

Background



This preview shows how black text looks on a background with the Yxy color 29.7407, 0.2826, 0.5057.



This preview shows how white text looks on a background with the Yxy color 29.7407, 0.2826, 0.5057.

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

29.7407, 0.2826, 0.5057

Protanopia

29.1218, 0.4036, 0.4401

Deuteranopia

29.0445, 0.4127, 0.4031



Tritanopia

29.6146, 0.2375, 0.3066

Trichromacy



Original Color

29.7407, 0.2826, 0.5057



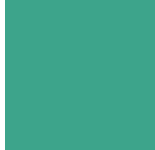
Protanomaly

27.8022, 0.3456, 0.4696



Deuteranomaly

27.3783, 0.3501, 0.4435



Tritanomaly

29.4071, 0.2536, 0.3755

Monochromacy



Original Color

29.7407, 0.2826, 0.5057



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

21.3705, 0.2943, 0.3966

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7407, 0.2826, 0.5057 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(38, 170, 80)` looks like.

```
.text, #text, p{  
    color:rgb(38, 170, 80)  
}
```

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(38, 170, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 170, 80) }
```

Border

The CSS property to change the border of an element to Yxy 29.7407, 0.2826, 0.5057 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(38, 170, 80) }
```

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

```
.border{ border-color:rgb(38, 170, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 170, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 170, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 170, 80);  
box-shadow:4px 4px 4px 4px rgb(38, 170,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7407, 0.2826, 0.5057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 170, 80) }
```

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

```
.background{ background-color: rgb(38, 170,  
80) }
```

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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