

Converting Colors

$Y_{xy}(29.4281, 0.2607, 0.4328)$

Have a look what the booklet for
Yxy(29.4281, 0.2607, 0.4328)
contains.

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Color

Yxy(29.2686, 0.2604, 0.4312)

Conversions

Conversions Part 1

| Format | Color |
|---------------|------------------------------|
| Hex | 25A773 |
| RGB | 37, 167, 115 |
| RGB Percent | 15%, 65%, 45% |
| CMY | 0.8549, 0.3451, 0.5491 |
| CMYK | 0.78, 0.00, 0.31, 0.35 |
| HSL | 156°, 64%, 40% |
| HSV | 156°, 78%, 65% |
| XYZ | 17.6752, 29.2686, 20.9333 |
| YIQ | 122.2020, -60.7880, -43.7320 |

Conversions

Conversions Part 2

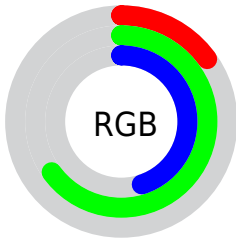
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 37, 118, 167 |
| Decimal | 2467699 |
| CIELab | 61.02, -46.58, 17.36 |
| CIElCh | 61, 49.709, 159.561 |
| Yxy | 29.2686, 0.2604, 0.4312 |
| Android (android.graphics.Color) | 4280657779 (0xFF25A773) |
| YUV | 122.2020, -3.5506, -74.7222 |
| Hunter-Lab | 54.1005, -36.3580, 14.9290 |

Details

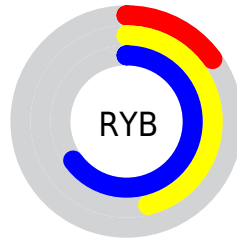
The Yxy color **29.2686, 0.2604, 0.4312** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **10.2599, 0.4703, 0.2622**, and the grayscale version is **19.5576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.4489, 0.2721, 0.4082**, and **12.4399, 0.2622, 0.4640** is the 20% darker color. If you saturate the color by 10%, you get **28.8801, 0.2603, 0.4465**, and if you desaturate by 10%, it is **29.8118, 0.2625, 0.4158**.

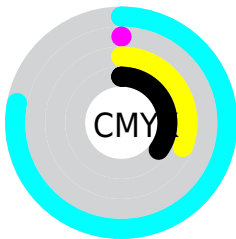
Distribution



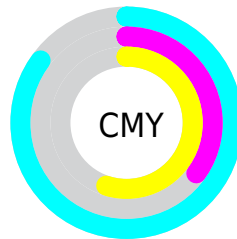
- Red (15%)
- Green (65%)
- Blue (45%)



- Red (15%)
- Yellow (46%)
- Blue (65%)



- Cyan (78%)
- Magenta (0%)
- Yellow (31%)
- Black (35%)





- Cyan (85%)
- Magenta (35%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.2686, 0.2604, 0.4312 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 29.2686, 0.2604, 0.4312 by changing the saturation by 10% instead.

 29.2686, 0.2604,
0.4312


 29.2686, 0.2604,
0.4312


298.4802, 0.2900,
0.3730


 19.2841, 0.2516,
0.4486


 58.5036, 0.2721,
0.4080


 11.8757, 0.2394,
0.4731


 78.5228, 0.2762,
0.4000


 6.6591, 0.2212,
0.5095


 102.6558, 0.2796,
0.3934

 3.2498, 0.1920,
0.5690

 131.2869, 0.2824,
0.3879

 1.2635, 0.0159,
0.9023

 164.8005, 0.2847,
0.3833

 0.1127, 0.0000,
1.0000

 203.5810, 0.2868,

 0.0000, 0.0000,

0.3794

0.0000

248.0127, 0.2885,
0.3759

■ 29.2686, 0.2604,
0.4312

■ 29.2686, 0.2604,
0.4312

■ 28.8801, 0.2603,
0.4465

■ 29.8118, 0.2625,
0.4158

■ 28.6141, 0.2620,
0.4615

■ 30.5236, 0.2664,
0.4007

■ 28.5629, 0.2624,
0.4647

■ 31.4200, 0.2720,
0.3861

■ 32.5142, 0.2789,
0.3722

■ 33.8182, 0.2870,
0.3593

■ 35.3430, 0.2958,
0.3475

■ 37.0988, 0.3052,
0.3367

■ 39.0951, 0.3148,
0.3270

■ 41.3411, 0.3245,
0.3184

Harmonies

Analogous

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



29.2686, 0.3358, 0.4772



29.2686, 0.2604, 0.4312



29.2686, 0.2034, 0.3456

Triad

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



29.2686, 0.2604, 0.4312



29.2686, 0.2124, 0.2076



29.2686, 0.4711, 0.3571

Complementary

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



29.2686, 0.2604, 0.4312



10.2599, 0.4703, 0.2622

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.



29.2686, 0.4308, 0.2999



29.2686, 0.2604, 0.4312



29.2686, 0.2728, 0.2184

Square

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



29.2686, 0.2604, 0.4312



29.2686, 0.1801, 0.2226



29.2686, 0.3538, 0.2510



29.2686, 0.4604, 0.4157

Rectangle

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



29.2686, 0.2604, 0.4312



29.2686, 0.1820, 0.2911



29.2686, 0.3538, 0.2510



29.2686, 0.4632, 0.3376

Sweetspot

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



29.2698, 0.2604, 0.4312



61.7235, 0.2908, 0.3539



30.0051, 0.3357, 0.5450



13.6064, 0.2878, 0.3582



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.



29.2698, 0.2604, 0.4312



51.3804, 0.2614, 0.4568



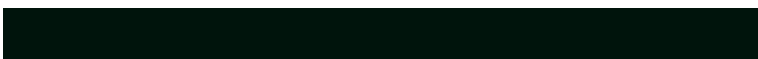
27.0174, 0.2249, 0.3091



8.4805, 0.3038, 0.3382



21.8651, 0.2620, 0.4633



0.5417, 0.2482, 0.4136

Inverse Universe

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



10.2599, 0.4703, 0.2622



15.9012, 0.5207, 0.2687



10.4491, 0.5656, 0.3412



7.5902, 0.3226, 0.3200



6.6041, 0.5335, 0.2713



0.1708, 0.4483, 0.2243

Previews

White Background



This preview shows how the Yxy color 29.2686, 0.2604, 0.4312 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 29.2686, 0.2604, 0.4312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

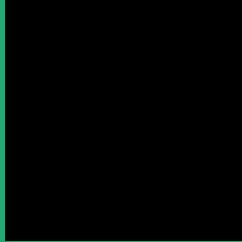
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.2686, 0.2604, 0.4312

Background



This preview shows how black text looks on a background with the Yxy color 29.2686, 0.2604, 0.4312.



This preview shows how white text looks on a background with the Yxy color 29.2686, 0.2604, 0.4312.

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

29.2686, 0.2604, 0.4312

Protanopia

28.7665, 0.3653, 0.3923

Deuteranopia

28.5717, 0.3657, 0.3579



Tritanopia

29.3170, 0.2337, 0.3064

Trichromacy



Original Color

29.2686, 0.2604, 0.4312



Protanomaly

27.7260, 0.3127, 0.4104



Deuteranomaly

27.2095, 0.3121, 0.3839



Tritanomaly

29.2736, 0.2424, 0.3489

Monochromacy



Original Color

29.2686, 0.2604, 0.4312



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

21.7330, 0.2825, 0.3669

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2686, 0.2604, 0.4312 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(37, 167, 115)` looks like.

```
.text, #text, p{  
  color:rgb(37, 167, 115)  
}
```

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(37, 167, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 167, 115) }
```

Border

The CSS property to change the border of an element to Yxy 29.2686, 0.2604, 0.4312 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(37, 167, 115) }
```

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

```
.border{ border-color:rgb(37, 167, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 167, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 167, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 167, 115);  
box-shadow:4px 4px 4px 4px rgb(37, 167,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2686, 0.2604, 0.4312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 167, 115) }
```

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

```
.background{ background-color: rgb(37, 167,  
115) }
```

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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