

Converting Colors

$Y_{xy}(28.9180, 0.2677, 0.4601)$

Have a look what the booklet for
Yxy(28.9180, 0.2677, 0.4601)
contains.

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Color

Yxy(28.9004, 0.2679, 0.4609)

Conversions

Conversions Part 1

Format	Color
Hex	21A765
RGB	33, 167, 101
RGB Percent	13%, 65%, 40%
CMY	0.8700, 0.3451, 0.6039
CMYK	0.80, 0.00, 0.40, 0.35
HSL	150°, 67%, 39%
HSV	150°, 80%, 65%
XYZ	16.7985, 28.9004, 17.0054
YIQ	119.4100, -58.6780, -48.9340

Conversions

Conversions Part 2

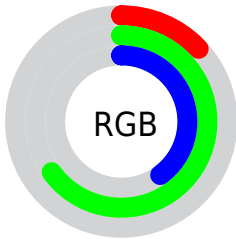
Format	Color
R_{YB}	33, 122, 167
Decimal	2205541
CIE _{Lab}	60.69, -49.98, 24.52
CIE _{LCh}	61, 55.673, 153.864
Yxy	28.9004, 0.2679, 0.4609
Android (android.graphics.Color)	4280395621 (0xFF21A765)
YUV	119.4100, -9.0761, -75.7816
Hunter-Lab	53.7591, -38.3013, 18.8764

Details

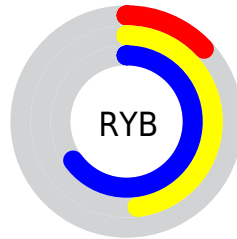
The Yxy color **28.9004, 0.2679, 0.4609** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **10.2148, 0.4486, 0.2445**, and the grayscale version is **18.6423, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.8420, 0.2785, 0.4295**, and **12.2917, 0.2736, 0.5050** is the 20% darker color. If you saturate the color by 10%, you get **28.5365, 0.2690, 0.4795**, and if you desaturate by 10%, it is **29.4196, 0.2688, 0.4418**.

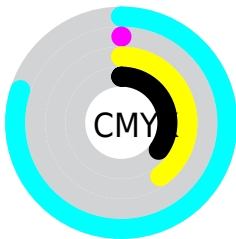
Distribution



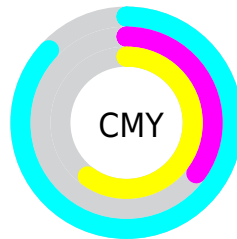
- Red (13%)
- Green (65%)
- Blue (40%)



- Red (13%)
- Yellow (48%)
- Blue (65%)



- Cyan (80%)
- Magenta (0%)
- Yellow (40%)
- Black (35%)




- Cyan (87%)
- Magenta (35%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.9004, 0.2679, 0.4609 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 28.9004, 0.2679, 0.4609 by changing the saturation by 10% instead.

 28.9004, 0.2679,
0.4609


 28.9004, 0.2679,
0.4609


 296.7447, 0.2946,
0.3848

 19.0055, 0.2594,
0.4840


 57.9188, 0.2789,
0.4304


 11.6742, 0.2471,
0.5165


 77.8111, 0.2826,
0.4198


 6.5223, 0.2281,
0.5650


 101.8046, 0.2856,
0.4113

 3.1652, 0.1962,
0.6449

 130.2838, 0.2880,
0.4041

 1.2186, 0.0000,
1.0000

 163.6330, 0.2901,
0.3982

 0.0768, 0.0000,
1.0000

 202.2366, 0.2918,

 0.0000, 0.0000,

0.3930

0.0000

246.4791, 0.2933,
0.3886

■ 28.9004, 0.2679,
0.4609

■ 28.9004, 0.2679,
0.4609

■ 28.5365, 0.2690,
0.4795

■ 29.4196, 0.2688,
0.4418

■ 28.2866, 0.2714,
0.4971

■ 30.1090, 0.2716,
0.4228

■ 30.9852, 0.2760,
0.4043

■ 32.0620, 0.2818,
0.3867

■ 33.3519, 0.2887,
0.3702

■ 34.8661, 0.2963,
0.3552

■ 36.6154, 0.3043,
0.3415

■ 38.6094, 0.3126,
0.3292

■ 40.8576, 0.3209,
0.3182

Harmonies

Analogous

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



28.9004, 0.3524, 0.4983



28.9004, 0.2679, 0.4609



28.9004, 0.2004, 0.3661

Triad

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



28.9004, 0.2679, 0.4609



28.9004, 0.1927, 0.1960



28.9004, 0.4861, 0.3453

Complementary

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



28.9004, 0.2679, 0.4609



10.2148, 0.4486, 0.2445

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.



28.9004, 0.4311, 0.2846



28.9004, 0.2679, 0.4609



28.9004, 0.2528, 0.2032

Square

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



28.9004, 0.2679, 0.4609



28.9004, 0.1638, 0.2172



28.9004, 0.3401, 0.2345



28.9004, 0.4828, 0.4098

Rectangle

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



28.9004, 0.2679, 0.4609



28.9004, 0.1733, 0.3011



28.9004, 0.3401, 0.2345



28.9004, 0.4739, 0.3244

Sweetspot

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



28.9016, 0.2679, 0.4609



61.2334, 0.2929, 0.3614



30.4602, 0.3449, 0.5427



13.4976, 0.2903, 0.3667



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.



28.9016, 0.2679, 0.4609



50.7713, 0.2710, 0.4931



30.7518, 0.2290, 0.3288



8.4688, 0.3050, 0.3404



21.6562, 0.2710, 0.4955



0.5372, 0.2541, 0.4349

Inverse Universe

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



10.2148, 0.4486, 0.2445



16.0551, 0.4915, 0.2504



9.4218, 0.5867, 0.3298



7.6017, 0.3212, 0.3179



6.7666, 0.4952, 0.2501



0.1750, 0.4234, 0.2106

Previews

White Background



This preview shows how the Yxy color 28.9004, 0.2679, 0.4609 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 28.9004, 0.2679, 0.4609 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 28.9004, 0.2679, 0.4609

Background



This preview shows how black text looks on a background with the Yxy color 28.9004, 0.2679, 0.4609.



This preview shows how white text looks on a background with the Yxy color 28.9004, 0.2679, 0.4609.

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

28.9004, 0.2679, 0.4609

Protanopia

28.2926, 0.3810, 0.4121

Deuteranopia

28.2974, 0.3851, 0.3771



Tritanopia

28.9298, 0.2349, 0.3080

Trichromacy



Original Color

28.9004, 0.2679, 0.4609



Protanomaly

27.1194, 0.3249, 0.4348



Deuteranomaly

26.6524, 0.3262, 0.4078



Tritanomaly

28.7282, 0.2457, 0.3586

Monochromacy



Original Color

28.9004, 0.2679, 0.4609



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

20.8529, 0.2857, 0.3782

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9004, 0.2679, 0.4609 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(33, 167, 101)` looks like.

```
.text, #text, p{  
    color:rgb(33, 167, 101)  
}
```

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(33, 167, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 167, 101) }
```

Border

The CSS property to change the border of an element to Yxy 28.9004, 0.2679, 0.4609 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(33, 167, 101) }
```

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

```
.border{ border-color:rgb(33, 167, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 167, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 167, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 167, 101);  
box-shadow:4px 4px 4px 4px rgb(33, 167,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 28.9004, 0.2679, 0.4609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 167, 101) }
```

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

```
.background{ background-color: rgb(33, 167,  
101) }
```

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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