

Converting Colors

$Yxy(27.8399, 0.2706, 0.4695)$

Have a look what the booklet for
Yxy(27.8399, 0.2706, 0.4695)
contains.

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Color

Yxy(27.7005, 0.2706, 0.4695)

Conversions

Conversions Part 1

Format	Color
Hex	21A45F
RGB	33, 164, 95
RGB Percent	13%, 64%, 37%
CMY	0.8711, 0.3568, 0.6274
CMYK	0.80, 0.00, 0.42, 0.36
HSL	148°, 67%, 39%
HSV	148°, 80%, 64%
XYZ	15.9654, 27.7005, 15.3341
YIQ	116.9650, -55.9270, -49.2310

Conversions

Conversions Part 2

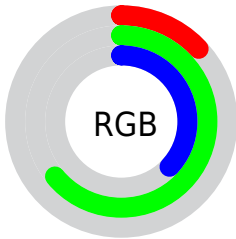
Format	Color
R_{YB}	33, 122, 164
Decimal	2204767
CIE _{Lab}	59.62, -50.06, 26.32
CIE _{LCh}	60, 56.556, 152.266
Yxy	27.7005, 0.2706, 0.4695
Android (android.graphics.Color)	4280394847 (0xFF21A45F)
YUV	116.9650, -10.8287, -73.6373
Hunter-Lab	52.6313, -37.9577, 19.5678

Details

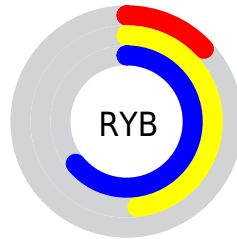
The Yxy color **27.7005, 0.2706, 0.4695** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **9.9305, 0.4379, 0.2383**, and the grayscale version is **17.8139, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.9710, 0.2813, 0.4369**, and **11.5741, 0.2771, 0.5174** is the 20% darker color. If you saturate the color by 10%, you get **27.3464, 0.2718, 0.4892**, and if you desaturate by 10%, it is **28.2059, 0.2713, 0.4492**.

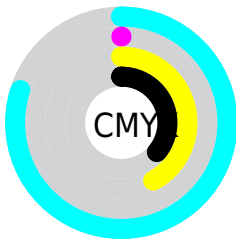
Distribution



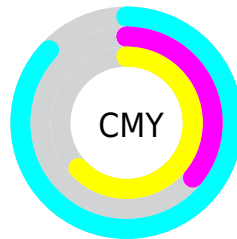
- Red (13%)
- Green (64%)
- Blue (37%)



- Red (13%)
- Yellow (48%)
- Blue (64%)



- Cyan (80%)
- Magenta (0%)
- Yellow (42%)
- Black (36%)





- Cyan (87%)
- Magenta (36%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.7005, 0.2706, 0.4695 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 27.7005, 0.2706, 0.4695 by changing the saturation by 10% instead.


 27.7005, 0.2706,
0.4695


 27.7005, 0.2706,
0.4695


291.0330, 0.2963,
0.3878


 18.1000, 0.2621,
0.4946


 56.0059, 0.2814,
0.4366


 11.0218, 0.2495,
0.5301


 75.4796, 0.2849,
0.4252


 6.0815, 0.2296,
0.5833

 99.0132, 0.2878,
0.4160

 2.8947, 0.1976,
0.6793

 126.9911, 0.2902,
0.4084

 1.0770, 0.0000,
1.0000

 159.7976, 0.2921,
0.4020

 0.0000, 0.0000,
0.0000

 197.8172, 0.2937,

0.3965

241.4342, 0.2951,
0.3919

■ 27.7005, 0.2706,
0.4695

■ 27.7005, 0.2706,
0.4695

■ 27.3464, 0.2718,
0.4892

■ 28.2059, 0.2713,
0.4492

■ 27.1010, 0.2744,
0.5078

■ 28.8767, 0.2739,
0.4289

■ 27.1000, 0.2744,
0.5079

■ 29.7290, 0.2781,
0.4091

■ 30.7761, 0.2836,
0.3903

■ 32.0298, 0.2901,
0.3727

■ 33.5011, 0.2973,
0.3566

■ 35.2001, 0.3049,
0.3420

■ 37.1365, 0.3127,
0.3290

■ 39.3191, 0.3206,
0.3173

Harmonies

Analogous

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



27.7005, 0.3574, 0.5034



27.7005, 0.2706, 0.4695



27.7005, 0.2001, 0.3728

Triad

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



27.7005, 0.2706, 0.4695



27.7005, 0.1874, 0.1932



27.7005, 0.4896, 0.3416

Complementary

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



27.7005, 0.2706, 0.4695



9.9305, 0.4379, 0.2383

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.



27.7005, 0.4302, 0.2802



27.7005, 0.2706, 0.4695



27.7005, 0.2470, 0.1992

Square

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



27.7005, 0.2706, 0.4695



27.7005, 0.1597, 0.2162



27.7005, 0.3355, 0.2299



27.7005, 0.4888, 0.4074

Rectangle

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



27.7005, 0.2706, 0.4695



27.7005, 0.1713, 0.3048



27.7005, 0.3355, 0.2299



27.7005, 0.4760, 0.3204

Sweetspot

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



27.7016, 0.2706, 0.4695



59.5534, 0.2940, 0.3637



29.5354, 0.3491, 0.5392



12.8256, 0.2916, 0.3692



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.7016, 0.2706, 0.4695



49.2906, 0.2740, 0.5038



29.4006, 0.2315, 0.3367



7.9483, 0.3055, 0.3411



20.7861, 0.2739, 0.5062



0.4463, 0.2547, 0.4368

Inverse Universe

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



9.9305, 0.4379, 0.2383



15.7909, 0.4779, 0.2428



9.1090, 0.5787, 0.3256



7.1453, 0.3206, 0.3172



6.5800, 0.4811, 0.2424



0.1477, 0.4093, 0.2028

Previews

White Background



This preview shows how the Yxy color 27.7005, 0.2706, 0.4695 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 27.7005, 0.2706, 0.4695 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 27.7005, 0.2706, 0.4695

Background



This preview shows how black text looks on a background with the Yxy color 27.7005, 0.2706, 0.4695.



This preview shows how white text looks on a background with the Yxy color 27.7005, 0.2706, 0.4695.

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

27.7005, 0.2706, 0.4695

Protanopia

27.4010, 0.3848, 0.4175

Deuteranopia

27.0026, 0.3888, 0.3809



Tritanopia

27.4631, 0.2350, 0.3058

Trichromacy



Original Color

27.7005, 0.2706, 0.4695



Protanomaly

26.2509, 0.3276, 0.4417



Deuteranomaly

25.3806, 0.3293, 0.4150



Tritanomaly

27.1890, 0.2473, 0.3612

Monochromacy



Original Color

27.7005, 0.2706, 0.4695



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

20.1328, 0.2864, 0.3812

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7005, 0.2706, 0.4695 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, 164, 95)` looks like.

```
.text, #text, p{  
    color:rgb(33, 164, 95)  
}
```

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, 164, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 164, 95) }
```

Border

The CSS property to change the border of an element to Yxy 27.7005, 0.2706, 0.4695 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, 164, 95) }
```

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

```
.border{ border-color:rgb(33, 164, 95) }
```

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

Here you see how a box with a 4 pixel rgb(33, 164, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 164, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 164, 95);  
box-shadow:4px 4px 4px 4px rgb(33, 164,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7005, 0.2706, 0.4695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 164, 95) }
```

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

```
.background{ background-color: rgb(33, 164,  
95) }
```

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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