

Converting Colors

$Yxy(27.9944, 0.2754, 0.4501)$

Have a look what the booklet for
Yxy(27.9944, 0.2754, 0.4501)
contains.

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Color

Yxy(27.9944, 0.2754, 0.4501)

Conversions

Conversions Part 1

Format	Color
Hex	38A366
RGB	56, 163, 102
RGB Percent	22%, 64%, 40%
CMY	0.7802, 0.3608, 0.6000
CMYK	0.66, 0.00, 0.37, 0.36
HSL	146°, 49%, 43%
HSV	146°, 66%, 64%
XYZ	17.1288, 27.9944, 17.0728
YIQ	124.0530, -44.1910, -41.6550

Conversions

Conversions Part 2

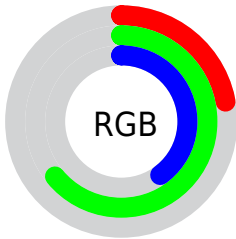
Format	Color
RYB	56, 131, 163
Decimal	3711846
CIELab	59.88, -44.66, 22.99
CIElCh	60, 50.230, 152.767
Yxy	27.9944, 0.2754, 0.4501
Android (android.graphics.Color)	4281901926 (0xFF38A366)
YUV	124.0530, -10.8721, -59.6825
Hunter-Lab	52.9097, -34.8052, 17.9053

Details

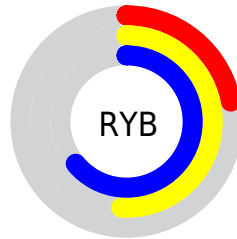
The Yxy color **27.9944, 0.2754, 0.4501** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **11.9053, 0.3967, 0.2393**, and the grayscale version is **20.2280, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.6078, 0.2851, 0.4230**, and **11.4182, 0.2711, 0.4959** is the 20% darker color. If you saturate the color by 10%, you get **27.4252, 0.2741, 0.4721**, and if you desaturate by 10%, it is **28.7395, 0.2784, 0.4282**.

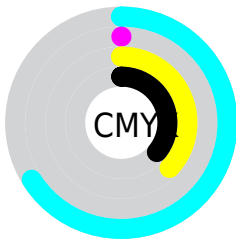
Distribution



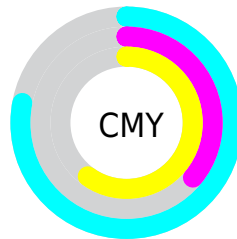
- Red (22%)
- Green (64%)
- Blue (40%)



- Red (22%)
- Yellow (51%)
- Blue (64%)



- Cyan (66%)
- Magenta (0%)
- Yellow (37%)
- Black (36%)



- Cyan (78%)
- Magenta (36%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.9944, 0.2754, 0.4501 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 27.9944, 0.2754, 0.4501 by changing the saturation by 10% instead.


 27.9944, 0.2754,
0.4501


 27.9944, 0.2754,
0.4501

292.4402, 0.2978,
0.3802


 18.3214, 0.2681,
0.4714


 56.4755, 0.2847,
0.4221


 11.1810, 0.2576,
0.5014


 76.0524, 0.2878,
0.4124


 6.1887, 0.2410,
0.5465

 99.6995, 0.2903,
0.4045

 2.9602, 0.2126,
0.6216

 127.8010, 0.2923,
0.3980

 1.1110, 0.0000,
1.0000

 160.7415, 0.2940,
0.3925

 0.0000, 0.0000,
0.0000

198.9052, 0.2955,

0.3878

242.6766, 0.2967,
0.3837

■ 27.9944, 0.2754,
0.4501

■ 27.9944, 0.2754,
0.4501

■ 27.4252, 0.2741,
0.4721

■ 28.7395, 0.2784,
0.4282

■ 27.0123, 0.2747,
0.4935

■ 29.6712, 0.2828,
0.4071

■ 26.7360, 0.2771,
0.5135

■ 30.8031, 0.2883,
0.3872

■ 26.6365, 0.2783,
0.5219

■ 32.1467, 0.2947,
0.3687

■ 33.7126, 0.3015,
0.3519

■ 35.5105, 0.3087,
0.3368

■ 37.5498, 0.3159,
0.3233

■ 39.8391, 0.3230,
0.3114

■ 42.3867, 0.3300,
0.3009

Harmonies

Analogous

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



27.9944, 0.3538, 0.4829



27.9944, 0.2754, 0.4501



27.9944, 0.2115, 0.3667

Triad

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



27.9944, 0.2754, 0.4501



27.9944, 0.2002, 0.2060



27.9944, 0.4703, 0.3437

Complementary

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



27.9944, 0.2754, 0.4501



11.9053, 0.3967, 0.2393

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.



27.9944, 0.4181, 0.2867



27.9944, 0.2754, 0.4501



27.9944, 0.2554, 0.2115

Square

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



27.9944, 0.2754, 0.4501



27.9944, 0.1739, 0.2277



27.9944, 0.3350, 0.2401



27.9944, 0.4706, 0.4038

Rectangle

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



27.9944, 0.2754, 0.4501



27.9944, 0.1849, 0.3076



27.9944, 0.3350, 0.2401



27.9944, 0.4582, 0.3240

Sweetspot

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



27.9955, 0.2754, 0.4501



58.9923, 0.2982, 0.3597



30.3621, 0.3546, 0.5044



13.0836, 0.2964, 0.3642



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.



27.9955, 0.2754, 0.4501



48.7254, 0.2742, 0.4826



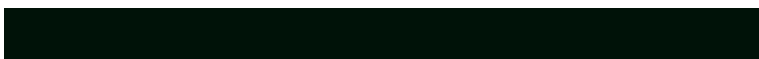
29.3720, 0.2416, 0.3450



7.9432, 0.3060, 0.3421



20.7108, 0.2778, 0.5202



0.4446, 0.2577, 0.4477

Inverse Universe

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



11.9053, 0.3967, 0.2393



17.6675, 0.4257, 0.2301



11.0012, 0.5040, 0.3173



7.1505, 0.3200, 0.3163



6.6745, 0.4630, 0.2324



0.1495, 0.3994, 0.1974

Previews

White Background



This preview shows how the Yxy color 27.9944, 0.2754, 0.4501 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 27.9944, 0.2754, 0.4501 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 27.9944, 0.2754, 0.4501

Background



This preview shows how black text looks on a background with the Yxy color 27.9944, 0.2754, 0.4501.



This preview shows how white text looks on a background with the Yxy color 27.9944, 0.2754, 0.4501.

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

27.9944, 0.2754, 0.4501

Protanopia

27.5210, 0.3778, 0.4069

Deuteranopia

27.4090, 0.3815, 0.3733



Tritanopia

27.8895, 0.2408, 0.3062

Trichromacy



Original Color

27.9944, 0.2754, 0.4501



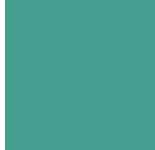
Protanomaly

26.6688, 0.3312, 0.4244



Deuteranomaly

26.1876, 0.3325, 0.3997



Tritanomaly

27.7694, 0.2528, 0.3548

Monochromacy



Original Color

27.9944, 0.2754, 0.4501



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

22.0906, 0.2930, 0.3722

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9944, 0.2754, 0.4501 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(56, 163, 102)` looks like.

```
.text, #text, p{  
    color:rgb(56, 163, 102)  
}
```

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(56, 163, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 163, 102) }
```

Border

The CSS property to change the border of an element to Yxy 27.9944, 0.2754, 0.4501 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(56, 163, 102) }
```

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

```
.border{ border-color:rgb(56, 163, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 163, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 163, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 163, 102);  
box-shadow:4px 4px 4px 4px rgb(56, 163,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9944, 0.2754, 0.4501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 163, 102) }
```

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

```
.background{ background-color: rgb(56, 163,  
102) }
```

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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