

Converting Colors

$Yxy(27.1246, 0.2914, 0.4493)$

Have a look what the booklet for
Yxy(27.1246, 0.2914, 0.4493)
contains.

Yxy(27.2371, 0.2912, 0.4503)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(27.2371, 0.2912, 0.4503)

Conversions

Conversions Part 1

Format	Color
Hex	4D9F61
RGB	77, 159, 97
RGB Percent	30%, 62%, 38%
CMY	0.6982, 0.3764, 0.6196
CMYK	0.52, 0.00, 0.39, 0.38
HSL	135°, 35%, 46%
HSV	135°, 52%, 62%
XYZ	17.6137, 27.2371, 15.6358
YIQ	127.4140, -28.9700, -36.6660

Conversions

Conversions Part 2

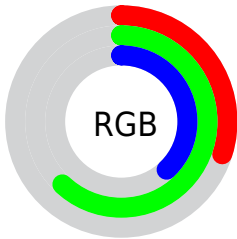
Format	Color
RYB	77, 143, 159
Decimal	5087073
CIELab	59.19, -39.05, 24.91
CIElCh	59, 46.315, 147.463
Yxy	27.2371, 0.2912, 0.4503
Android (android.graphics.Color)	4283277153 (0xFF4D9F61)
YUV	127.4140, -14.9941, -44.2131
Hunter-Lab	52.1892, -31.0879, 18.7693

Details

The Yxy color $27.2371, 0.2912, 0.4503$ is a dark color, and the websafe version is hex 339966 . A complement of this color would be $14.5378, 0.3472, 0.2336$, and the grayscale version is $21.4305, 0.3127, 0.3290$.

A 20% lighter version of the original color is $55.0565, 0.2972, 0.4222$, and $10.8387, 0.2791, 0.5034$ is the 20% darker color. If you saturate the color by 10%, you get $26.4486, 0.2889, 0.4786$, and if you desaturate by 10%, it is $28.2235, 0.2945, 0.4227$.

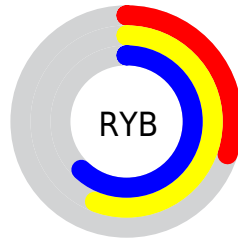
Distribution



Red (30%)

Green (62%)

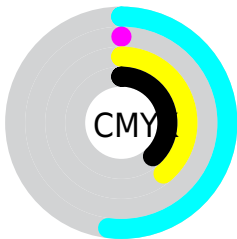
Blue (38%)



Red (30%)

Yellow (56%)

Blue (62%)

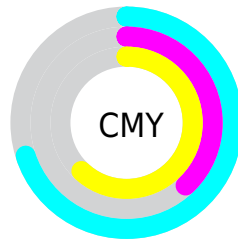


Cyan (52%)

Magenta (0%)

Yellow (39%)

Black (38%)



Cyan (70%)


Magenta (38%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.2371, 0.2912, 0.4503 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 27.2371, 0.2912, 0.4503 by changing the saturation by 10% instead.


 27.2371, 0.2912,
0.4503


 27.2371, 0.2912,
0.4503


288.8033, 0.3052,
0.3802


 17.7514, 0.2862,
0.4716


 55.2641, 0.2973,
0.4222

 10.7716, 0.2785,
0.5017


 74.5742, 0.2992,
0.4125


 5.9135, 0.2657,
0.5468

 97.9278, 0.3008,
0.4046

 2.7925, 0.2442,
0.6273

 125.7094, 0.3020,
0.3980

 1.0244, 0.0136,
0.9864

 158.3033, 0.3030,
0.3925

 0.0000, 0.0000,
0.0000

196.0940, 0.3038,

0.3878

239.4659, 0.3045,
0.3838

■ 27.2371, 0.2912,
0.4503

■ 27.2371, 0.2912,
0.4503

■ 26.4486, 0.2889,
0.4786

■ 28.2235, 0.2945,
0.4227

■ 25.8411, 0.2878,
0.5063

■ 29.4166, 0.2984,
0.3967

■ 25.4003, 0.2881,
0.5321

■ 30.8287, 0.3028,
0.3727

■ 25.1084, 0.2898,
0.5545

■ 32.4703, 0.3074,
0.3511

■ 24.9444, 0.2917,
0.5701

■ 34.3510, 0.3120,
0.3319

■ 36.4800, 0.3165,
0.3149

■ 38.8659, 0.3209,
0.3001

■ 41.5171, 0.3250,
0.2872

■ 44.4413, 0.3289,
0.2759

Harmonies

Analogous

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



27.2371, 0.3651, 0.4713



27.2371, 0.2912, 0.4503



27.2371, 0.2271, 0.3793

Triad

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



27.2371, 0.2912, 0.4503



27.2371, 0.2004, 0.2149



27.2371, 0.4541, 0.3340

Complementary

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



27.2371, 0.2912, 0.4503



14.5378, 0.3472, 0.2336

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.



27.2371, 0.3985, 0.2809



27.2371, 0.2912, 0.4503



27.2371, 0.2482, 0.2156

Square

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



27.2371, 0.2912, 0.4503



27.2371, 0.1803, 0.2412



27.2371, 0.3197, 0.2391



27.2371, 0.4639, 0.3909

Rectangle

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



27.2371, 0.2912, 0.4503



27.2371, 0.1982, 0.3236



27.2371, 0.3197, 0.2391



27.2371, 0.4400, 0.3155

Sweetspot

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



27.2382, 0.2912, 0.4503



57.0120, 0.3057, 0.3588



30.8980, 0.3655, 0.4604



12.7211, 0.3048, 0.3631



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



27.2382, 0.2912, 0.4503



47.1687, 0.2886, 0.4830



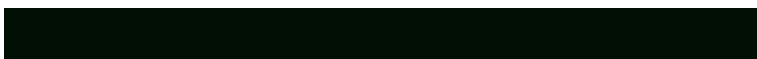
28.1852, 0.2620, 0.3695



7.4263, 0.3085, 0.3464



19.7054, 0.2913, 0.5687



0.3584, 0.2716, 0.4977

Inverse Universe

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



14.5378, 0.3472, 0.2336



21.8256, 0.3578, 0.2162



13.5721, 0.4160, 0.2941



6.7269, 0.3173, 0.3122



6.9032, 0.3924, 0.1936



0.1296, 0.3589, 0.1751

Previews

White Background



This preview shows how the Yxy color 27.2371, 0.2912, 0.4503 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 27.2371, 0.2912, 0.4503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

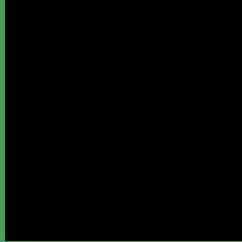
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.2371, 0.2912, 0.4503

Background



This preview shows how black text looks on a background with the Yxy color 27.2371, 0.2912, 0.4503.



This preview shows how white text looks on a background with the Yxy color 27.2371, 0.2912, 0.4503.

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

27.2371, 0.2912, 0.4503

Protanopia

26.9542, 0.3801, 0.4124

Deuteranopia

26.8925, 0.3876, 0.3811



Tritanopia

27.1047, 0.2522, 0.3080

Trichromacy



Original Color

27.2371, 0.2912, 0.4503

Protanomaly

26.4057, 0.3419, 0.4265

Deuteranomaly

26.0175, 0.3469, 0.4053

Tritanomaly

27.0015, 0.2660, 0.3566

Monochromacy



Original Color

27.2371, 0.2912, 0.4503

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

22.9774, 0.3032, 0.3728

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2371, 0.2912, 0.4503 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(77, 159, 97)` looks like.

```
.text, #text, p{  
    color:rgb(77, 159, 97)  
}
```

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(77, 159, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 159, 97) }
```

Border

The CSS property to change the border of an element to Yxy 27.2371, 0.2912, 0.4503 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(77, 159, 97) }
```

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

```
.border{ border-color:rgb(77, 159, 97) }
```

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

Here you see how a box with a 4 pixel rgb(77, 159, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 159, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 159, 97);  
box-shadow:4px 4px 4px 4px rgb(77, 159,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 27.2371, 0.2912, 0.4503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 159, 97) }
```

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

```
.background{ background-color: rgb(77, 159,  
97) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor