

Converting Colors

$Y_{xy}(29.0219, 0.2668, 0.4078)$

Have a look what the booklet for
Yxy(29.0219, 0.2668, 0.4078)
contains.

| | |
|--|----|
| Yxy(29.1143, 0.2674, 0.4090) | 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(29.1143, 0.2674, 0.4090)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 42A47A |
| RGB | 66, 164, 122 |
| RGB Percent | 26%, 64%, 48% |
| CMY | 0.7413, 0.3568, 0.5215 |
| CMYK | 0.60, 0.00, 0.26, 0.36 |
| HSL | 154°, 43%, 45% |
| HSV | 154°, 60%, 64% |
| XYZ | 19.0346, 29.1143, 23.0352 |
| YIQ | 129.9100, -44.9260, -33.8380 |

Conversions

Conversions Part 2

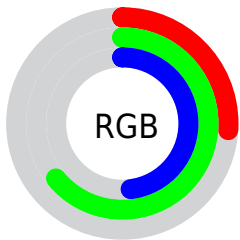
| Format | Color |
|-------------------------------------|--------------------------------|
| R _{YB} | 66, 128, 164 |
| Decimal | 4367482 |
| CIE Lab | 60.88, -38.86, 13.38 |
| CIE LCh | 61, 41.099, 160.995 |
| Yxy | 29.1143, 0.2674, 0.4090 |
| Android (android.graphics.Color) | 4282557562 (0xFF42A47A) |
| YUV | 129.9100, -3.8996, -56.0491 |
| Hunter-Lab | 53.9577, -31.4565, 12.4588 |

Details

The Yxy color **29.1143, 0.2674, 0.4090** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **12.8682, 0.4121, 0.2657**, and the grayscale version is **22.3143, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.4533, 0.2779, 0.3923**, and **11.8499, 0.2554, 0.4395** is the 20% darker color. If you saturate the color by 10%, you get **28.4575, 0.2640, 0.4254**, and if you desaturate by 10%, it is **29.9493, 0.2725, 0.3932**.

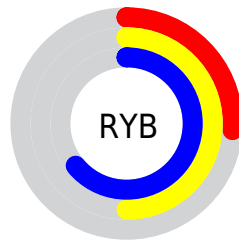
Distribution



Red (26%)

Green (64%)

Blue (48%)



Red (26%)

Yellow (50%)

Blue (64%)

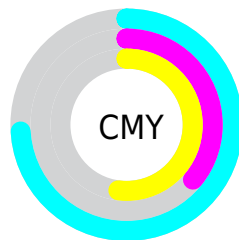


Cyan (60%)

Magenta (0%)

Yellow (26%)

Black (36%)



Cyan (74%)


Magenta (36%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1143, 0.2674, 0.4090 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 29.1143, 0.2674, 0.4090 by changing the saturation by 10% instead.


 29.1143, 0.2674,
0.4090


 29.1143, 0.2674,
0.4090


297.7539, 0.2927,
0.3638


 19.1673, 0.2600,
0.4224


 58.2586, 0.2773,
0.3911


 11.7912, 0.2498,
0.4410


 78.2248, 0.2809,
0.3849


 6.6017, 0.2348,
0.4687


 102.2994, 0.2837,
0.3798

 3.2143, 0.2107,
0.5139

 130.8669, 0.2861,
0.3755

 1.2446, 0.1081,
0.6849

 164.3117, 0.2882,
0.3719

 0.0977, 0.0000,
1.0000

203.0182, 0.2899,

 0.0000, 0.0000,

0.3688

0.0000

247.3708, 0.2914,
0.3662

■ 29.1143, 0.2674,
0.4090

■ 29.1143, 0.2674,
0.4090

■ 28.4575, 0.2640,
0.4254

■ 29.9493, 0.2725,
0.3932

■ 27.9608, 0.2626,
0.4419

■ 30.9720, 0.2789,
0.3781

■ 27.6081, 0.2631,
0.4582

■ 32.1952, 0.2865,
0.3641

■ 27.3617, 0.2651,
0.4741

■ 33.6296, 0.2949,
0.3511

■ 27.3564, 0.2651,
0.4745

■ 35.2852, 0.3038,
0.3394

■ 37.1713, 0.3129,
0.3288

■ 39.2967, 0.3222,
0.3193

■ 41.6696, 0.3314,
0.3109

■ 44.2979, 0.3404,
0.3036

Harmonies

Analogous

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



29.1143, 0.3310, 0.4492



29.1143, 0.2674, 0.4090



29.1143, 0.2192, 0.3404

Triad

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



29.1143, 0.2674, 0.4090



29.1143, 0.2298, 0.2254



29.1143, 0.4450, 0.3580

Complementary

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



29.1143, 0.2674, 0.4090



12.8682, 0.4121, 0.2657

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.



29.1143, 0.4130, 0.3078



29.1143, 0.2674, 0.4090



29.1143, 0.2829, 0.2354

Square

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



29.1143, 0.2674, 0.4090



29.1143, 0.2002, 0.2384



29.1143, 0.3508, 0.2646



29.1143, 0.4360, 0.4074

Rectangle

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



29.1143, 0.2674, 0.4090



29.1143, 0.2009, 0.2962



29.1143, 0.3508, 0.2646



29.1143, 0.4388, 0.3409

Sweetspot

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



29.1155, 0.2674, 0.4090



61.4459, 0.2961, 0.3494



30.1622, 0.3385, 0.4981



13.2631, 0.2937, 0.3528



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.



29.1155, 0.2674, 0.4090



51.2973, 0.2633, 0.4313



28.1108, 0.2379, 0.3172



7.9597, 0.3042, 0.3388



20.9840, 0.2647, 0.4730



0.4501, 0.2485, 0.4146

Inverse Universe

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



12.8682, 0.4121, 0.2657



19.0625, 0.4488, 0.2579



12.9869, 0.4867, 0.3390



7.1340, 0.3221, 0.3194



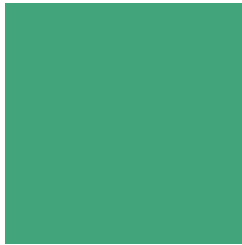
6.4021, 0.5217, 0.2648



0.1439, 0.4342, 0.2166

Previews

White Background



This preview shows how the Yxy color 29.1143, 0.2674, 0.4090 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 29.1143, 0.2674, 0.4090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

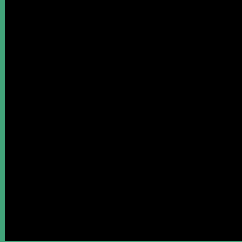
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.1143, 0.2674, 0.4090

Background



This preview shows how black text looks on a background with the Yxy color 29.1143, 0.2674, 0.4090.



This preview shows how white text looks on a background with the Yxy color 29.1143, 0.2674, 0.4090.

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

29.1143, 0.2674, 0.4090

Protanopia

28.8179, 0.3570, 0.3814

Deuteranopia

28.7975, 0.3564, 0.3504



Tritanopia

29.1498, 0.2428, 0.3083

Trichromacy



Original Color

29.1143, 0.2674, 0.4090

Protanomaly

28.2544, 0.3166, 0.3938

Deuteranomaly

27.7214, 0.3159, 0.3702

Tritanomaly

28.9780, 0.2509, 0.3414

Monochromacy



Original Color

29.1143, 0.2674, 0.4090

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

24.0041, 0.2910, 0.3569

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1143, 0.2674, 0.4090 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(66, 164, 122)` looks like.

```
.text, #text, p{  
    color:rgb(66, 164, 122)  
}
```

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(66, 164, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 164, 122) }
```

Border

The CSS property to change the border of an element to Yxy 29.1143, 0.2674, 0.4090 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(66, 164, 122) }
```

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

```
.border{ border-color:rgb(66, 164, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 164, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 164, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 164, 122);  
box-shadow:4px 4px 4px 4px rgb(66, 164,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1143, 0.2674, 0.4090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 164, 122) }
```

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

```
.background{ background-color: rgb(66, 164,  
122) }
```

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