

Converting Colors

$Y_{xy}(27.9459, 0.2663, 0.4071)$

Have a look what the booklet for
Yxy(27.9459, 0.2663, 0.4071)
contains.

Yxy(27.9602, 0.2662, 0.4064)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(27.9602, 0.2662, 0.4064)$

Conversions

Conversions Part 1

Format	Color
Hex	40A179
RGB	64, 161, 121
RGB Percent	25%, 63%, 47%
CMY	0.7487, 0.3686, 0.5254
CMYK	0.60, 0.00, 0.25, 0.37
HSL	155°, 43%, 44%
HSV	155°, 60%, 63%
XYZ	18.3145, 27.9602, 22.5250
YIQ	127.4370, -44.9720, -33.0040

Conversions

Conversions Part 2

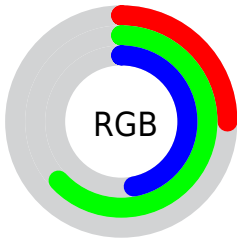
Format	Color
RYB	64, 125, 161
Decimal	4235641
CIELab	59.85, -38.16, 12.50
CIELCh	60, 40.151, 161.868
Yxy	27.9602, 0.2662, 0.4064
Android (android.graphics.Color)	4282425721 (0xFF40A179)
YUV	127.4370, -3.1734, -55.6342
Hunter-Lab	52.8774, -30.7107, 11.7575

Details

The Yxy color **27.9602, 0.2662, 0.4064** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **12.2522, 0.4160, 0.2677**, and the grayscale version is **21.4116, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.1938, 0.2768, 0.3890**, and **11.4052, 0.2551, 0.4382** is the 20% darker color. If you saturate the color by 10%, you get **27.3392, 0.2628, 0.4221**, and if you desaturate by 10%, it is **28.7505, 0.2713, 0.3912**.

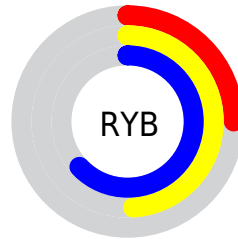
Distribution



Red (25%)

Green (63%)

Blue (47%)



Red (25%)

Yellow (49%)

Blue (63%)

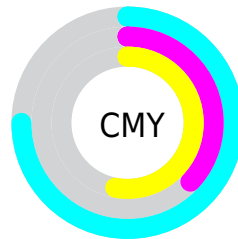


Cyan (60%)

Magenta (0%)

Yellow (25%)

Black (37%)



Cyan (75%)


Magenta (37%)


Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.9602, 0.2662, 0.4064 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 27.9602, 0.2662, 0.4064 by changing the saturation by 10% instead.


 27.9602, 0.2662,
0.4064


 27.9602, 0.2662,
0.4064


292.2767, 0.2923,
0.3625


 18.2957, 0.2586,
0.4195


 56.4209, 0.2765,
0.3890


 11.1625, 0.2480,
0.4378


 75.9858, 0.2801,
0.3829


 6.1762, 0.2324,
0.4653

 99.6197, 0.2830,
0.3780

 2.9525, 0.2072,
0.5105

 127.7069, 0.2855,
0.3738

 1.1070, 0.0690,
0.7253

 160.6318, 0.2876,
0.3703

 0.0000, 0.0000,
0.0000

198.7788, 0.2894,

0.3674

242.5323, 0.2909,
0.3648

■ 27.9602, 0.2662,
0.4064

■ 27.9602, 0.2662,
0.4064

■ 27.3392, 0.2628,
0.4221

■ 28.7505, 0.2713,
0.3912

■ 26.8701, 0.2612,
0.4380

■ 29.7192, 0.2779,
0.3767

■ 26.5376, 0.2617,
0.4537

■ 30.8785, 0.2856,
0.3632

■ 26.3067, 0.2635,
0.4687

■ 32.2387, 0.2941,
0.3508

■ 33.8093, 0.3032,
0.3394

■ 35.5992, 0.3125,
0.3292

■ 37.6168, 0.3220,
0.3201

■ 39.8699, 0.3314,
0.3120

■ 42.3662, 0.3406,
0.3048

Harmonies

Analogous

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



27.9602, 0.3290, 0.4474



27.9602, 0.2662, 0.4064



27.9602, 0.2190, 0.3383

Triad

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



27.9602, 0.2662, 0.4064



27.9602, 0.2318, 0.2263



27.9602, 0.4440, 0.3593

Complementary

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



27.9602, 0.2662, 0.4064



12.2522, 0.4160, 0.2677

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.



27.9602, 0.4134, 0.3095



27.9602, 0.2662, 0.4064



27.9602, 0.2851, 0.2368

Square

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



27.9602, 0.2662, 0.4064



27.9602, 0.2017, 0.2385



27.9602, 0.3525, 0.2663



27.9602, 0.4341, 0.4081

Rectangle

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



27.9602, 0.2662, 0.4064



27.9602, 0.2014, 0.2948



27.9602, 0.3525, 0.2663



27.9602, 0.4383, 0.3424

Sweetspot

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



27.9613, 0.2662, 0.4064



58.2359, 0.2957, 0.3486



28.8295, 0.3370, 0.4999



12.6128, 0.2933, 0.3518



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.



27.9613, 0.2662, 0.4064



48.6726, 0.2621, 0.4271



26.4212, 0.2369, 0.3141



7.9616, 0.3040, 0.3384



21.0201, 0.2632, 0.4675



0.4508, 0.2476, 0.4112

Inverse Universe

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



12.2522, 0.4160, 0.2677



18.0235, 0.4527, 0.2607



12.6017, 0.4865, 0.3415



7.1322, 0.3223, 0.3198



6.3774, 0.5281, 0.2683



0.1433, 0.4387, 0.2190

Previews

White Background



This preview shows how the Yxy color 27.9602, 0.2662, 0.4064 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 27.9602, 0.2662, 0.4064 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 27.9602, 0.2662, 0.4064

Background



This preview shows how black text looks on a background with the Yxy color 27.9602, 0.2662, 0.4064.



This preview shows how white text looks on a background with the Yxy color 27.9602, 0.2662, 0.4064.

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

27.9602, 0.2662, 0.4064

Protanopia

27.5871, 0.3557, 0.3791

Deuteranopia

27.4698, 0.3539, 0.3477



Tritanopia

27.9382, 0.2425, 0.3079

Trichromacy



Original Color

27.9602, 0.2662, 0.4064



Protanomaly

27.1154, 0.3158, 0.3913



Deuteranomaly

26.5250, 0.3140, 0.3674



Tritanomaly

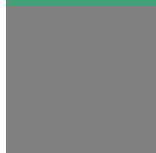
27.7718, 0.2508, 0.3416

Monochromacy



Original Color

27.9602, 0.2662, 0.4064



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

22.8890, 0.2896, 0.3556

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9602, 0.2662, 0.4064 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(64, 161, 121)` looks like.

```
.text, #text, p{  
    color:rgb(64, 161, 121)  
}
```

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(64, 161, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 161, 121) }
```

Border

The CSS property to change the border of an element to Yxy 27.9602, 0.2662, 0.4064 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(64, 161, 121) }
```

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

```
.border{ border-color:rgb(64, 161, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 161, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 161, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 161, 121);  
box-shadow:4px 4px 4px 4px rgb(64, 161,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9602, 0.2662, 0.4064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 161, 121) }
```

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

```
.background{ background-color: rgb(64, 161,  
121) }
```

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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