

Converting Colors

$Yxy(27.6083, 0.2638, 0.4096)$

Have a look what the booklet for
Yxy(27.6083, 0.2638, 0.4096)
contains.

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Color

$\text{Yxy}(27.7453, 0.2637, 0.4092)$

Conversions

Conversions Part 1

Format	Color
Hex	3AA178
RGB	58, 161, 120
RGB Percent	23%, 63%, 47%
CMY	0.7725, 0.3686, 0.5295
CMYK	0.64, 0.00, 0.25, 0.37
HSL	156°, 47%, 43%
HSV	156°, 64%, 63%
XYZ	17.8799, 27.7453, 22.1786
YIQ	125.5290, -48.2270, -34.5870

Conversions

Conversions Part 2

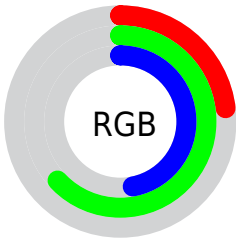
Format	Color
RYB	58, 122, 161
Decimal	3842424
CIELab	59.66, -39.62, 12.77
CIElCh	60, 41.627, 162.137
Yxy	27.7453, 0.2637, 0.4092
Android (android.graphics.Color)	4282032504 (0xFF3AA178)
YUV	125.5290, -2.7258, -59.2229
Hunter-Lab	52.6738, -31.5883, 11.9073

Details

The Yxy color **27.7453, 0.2637, 0.4092** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **11.5062, 0.4291, 0.2674**, and the grayscale version is **20.7190, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.3173, 0.2748, 0.3922**, and **11.1801, 0.2553, 0.4392** is the 20% darker color. If you saturate the color by 10%, you get **27.1864, 0.2609, 0.4244**, and if you desaturate by 10%, it is **28.4678, 0.2683, 0.3944**.

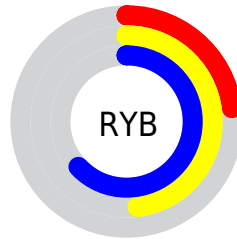
Distribution



Red (23%)

Green (63%)

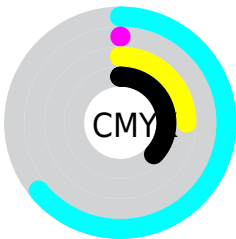
Blue (47%)



Red (23%)

Yellow (48%)

Blue (63%)

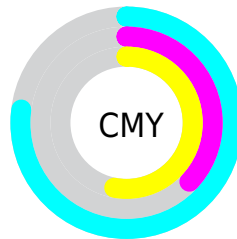


Cyan (64%)

Magenta (0%)

Yellow (25%)

Black (37%)



Cyan (77%)


Magenta (37%)

Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7453, 0.2637, 0.4092 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 27.7453, 0.2637, 0.4092 by changing the saturation by 10% instead.


 27.7453, 0.2637,
0.4092


 27.7453, 0.2637,
0.4092


291.2479, 0.2912,
0.3636


 18.1338, 0.2556,
0.4228


 56.0775, 0.2745,
0.3911


 11.0461, 0.2444,
0.4420


 75.5670, 0.2783,
0.3848

 6.0978, 0.2279,
0.4707

 99.1179, 0.2815,
0.3796

 2.9047, 0.2013,
0.5181

 127.1147, 0.2841,
0.3753

 1.0822, 0.0350,
0.7715

 159.9417, 0.2863,
0.3717

 0.0000, 0.0000,
0.0000

197.9832, 0.2881,

0.3686

241.6238, 0.2898,
0.3660

■ 27.7453, 0.2637,
0.4092

■ 27.7453, 0.2637,
0.4092

■ 27.1864, 0.2609,
0.4244

■ 28.4678, 0.2683,
0.3944

■ 26.7728, 0.2600,
0.4397

■ 29.3633, 0.2745,
0.3802

■ 26.4881, 0.2610,
0.4547

■ 30.4448, 0.2820,
0.3668

■ 26.3516, 0.2621,
0.4637

■ 31.7226, 0.2904,
0.3544

■ 33.2065, 0.2994,
0.3430

■ 34.9057, 0.3089,
0.3328

■ 36.8286, 0.3186,
0.3236

■ 38.9833, 0.3282,
0.3154

■ 41.3775, 0.3378,
0.3081

Harmonies

Analogous

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



27.7453, 0.3286, 0.4523



27.7453, 0.2637, 0.4092



27.7453, 0.2153, 0.3378

Triad

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



27.7453, 0.2637, 0.4092



27.7453, 0.2293, 0.2228



27.7453, 0.4492, 0.3603

Complementary

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



27.7453, 0.2637, 0.4092



11.5062, 0.4291, 0.2674

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.



27.7453, 0.4179, 0.3090



27.7453, 0.2637, 0.4092



27.7453, 0.2845, 0.2339

Square

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



27.7453, 0.2637, 0.4092



27.7453, 0.1981, 0.2350



27.7453, 0.3545, 0.2644



27.7453, 0.4382, 0.4108

Rectangle

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



27.7453, 0.2637, 0.4092



27.7453, 0.1974, 0.2926



27.7453, 0.3545, 0.2644



27.7453, 0.4434, 0.3429

Sweetspot

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



27.7464, 0.2637, 0.4092



57.9888, 0.2945, 0.3490



28.4607, 0.3356, 0.5114



12.5649, 0.2921, 0.3521



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.



27.7464, 0.2637, 0.4092



48.3245, 0.2602, 0.4313



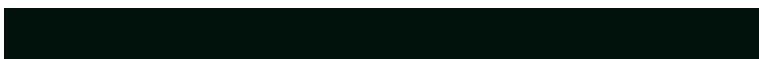
25.5112, 0.2332, 0.3098



7.9632, 0.3038, 0.3381



21.0537, 0.2618, 0.4625



0.4513, 0.2467, 0.4082

Inverse Universe

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



11.5062, 0.4291, 0.2674



16.8660, 0.4720, 0.2626



12.0552, 0.5012, 0.3443



7.1305, 0.3225, 0.3201



6.3559, 0.5339, 0.2715



0.1427, 0.4428, 0.2213

Previews

White Background



This preview shows how the Yxy color 27.7453, 0.2637, 0.4092 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 27.7453, 0.2637, 0.4092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

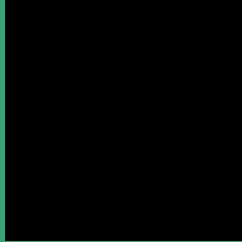
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7453, 0.2637, 0.4092

Background



This preview shows how black text looks on a background with the Yxy color 27.7453, 0.2637, 0.4092.



This preview shows how white text looks on a background with the Yxy color 27.7453, 0.2637, 0.4092.

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

27.7453, 0.2637, 0.4092

Protanopia

27.1691, 0.3560, 0.3795

Deuteranopia

27.1585, 0.3554, 0.3478



Tritanopia

27.7286, 0.2397, 0.3078

Trichromacy



Original Color

27.7453, 0.2637, 0.4092



Protanomaly

26.5613, 0.3138, 0.3921



Deuteranomaly

26.3478, 0.3129, 0.3695



Tritanomaly

27.5812, 0.2480, 0.3417

Monochromacy



Original Color

27.7453, 0.2637, 0.4092



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

22.6872, 0.2876, 0.3578

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7453, 0.2637, 0.4092 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(58, 161, 120)` looks like.

```
.text, #text, p{  
    color:rgb(58, 161, 120)  
}
```

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(58, 161, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 161, 120) }
```

Border

The CSS property to change the border of an element to Yxy 27.7453, 0.2637, 0.4092 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(58, 161, 120) }
```

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

```
.border{ border-color:rgb(58, 161, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 161, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 161, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 161, 120);  
box-shadow:4px 4px 4px 4px rgb(58, 161,  
120) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 27.7453, 0.2637, 0.4092$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 161, 120) }
```

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

```
.background{ background-color: rgb(58, 161,  
120) }
```

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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