

Converting Colors

$Yxy(27.3217, 0.2721, 0.3987)$

Have a look what the booklet for
Yxy(27.3217, 0.2721, 0.3987)
contains.

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Color

$Y_{xy}(27.3954, 0.2720, 0.3980)$

Conversions

Conversions Part 1

Format	Color
Hex	4C9E7A
RGB	76, 158, 122
RGB Percent	30%, 62%, 48%
CMY	0.7018, 0.3804, 0.5215
CMYK	0.52, 0.00, 0.23, 0.38
HSL	154°, 35%, 46%
HSV	154°, 52%, 62%
XYZ	18.7225, 27.3954, 22.7148
YIQ	129.3780, -37.3160, -28.5800

Conversions

Conversions Part 2

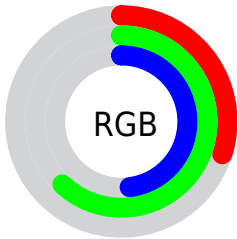
Format	Color
RYB	76, 129, 158
Decimal	5021306
CIELab	59.34, -33.81, 11.28
CIElCh	59, 35.643, 161.555
Yxy	27.3954, 0.2720, 0.3980
Android (android.graphics.Color)	4283211386 (0xFF4C9E7A)
YUV	129.3780, -3.6374, -46.8125
Hunter-Lab	52.3406, -27.7458, 10.9078

Details

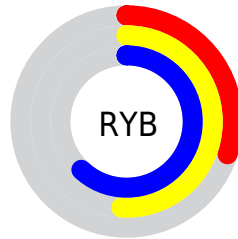
The Yxy color **27.3954, 0.2720, 0.3980** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **13.6134, 0.3910, 0.2714**, and the grayscale version is **22.1190, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.3903, 0.2810, 0.3830**, and **10.8747, 0.2562, 0.4272** is the 20% darker color. If you saturate the color by 10%, you get **26.6606, 0.2674, 0.4144**, and if you desaturate by 10%, it is **28.3036, 0.2781, 0.3824**.

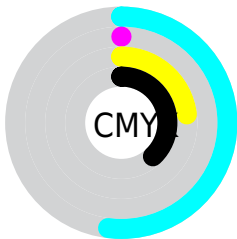
Distribution



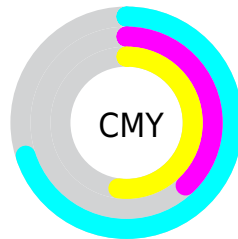
- Red (30%)
- Green (62%)
- Blue (48%)



- Red (30%)
- Yellow (51%)
- Blue (62%)



- Cyan (52%)
- Magenta (0%)
- Yellow (23%)
- Black (38%)



- Cyan (70%)
- Magenta (38%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.3954, 0.2720, 0.3980 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 27.3954, 0.2720, 0.3980 by changing the saturation by 10% instead.

 27.3954, 0.2720,
0.3980


 27.3954, 0.2720,
0.3980


289.5665, 0.2949,
0.3589


 17.8704, 0.2653,
0.4097


 55.5177, 0.2810,
0.3825


 10.8570, 0.2560,
0.4260


 74.8838, 0.2842,
0.3771

 5.9707, 0.2422,
0.4505

 98.2991, 0.2867,
0.3727

 2.8273, 0.2198,
0.4910

 126.1479, 0.2889,
0.3690

 1.0422, 0.1023,
0.6782

 158.8146, 0.2907,
0.3659

 0.0000, 0.0000,
0.0000

196.6837, 0.2923,

0.3632

240.1396, 0.2937,
0.3609

■ 27.3954, 0.2720,
0.3980

■ 27.3954, 0.2720,
0.3980

■ 26.6606, 0.2674,
0.4144

■ 28.3036, 0.2781,
0.3824

■ 26.0839, 0.2644,
0.4312

■ 29.3929, 0.2853,
0.3678

■ 25.6525, 0.2634,
0.4481

■ 30.6742, 0.2934,
0.3543

■ 25.3502, 0.2644,
0.4647

■ 32.1568, 0.3021,
0.3420

■ 25.1680, 0.2661,
0.4779

■ 33.8494, 0.3110,
0.3309

■ 35.7599, 0.3201,
0.3210

■ 37.8962, 0.3291,
0.3123

■ 40.2654, 0.3380,
0.3045

■ 42.8746, 0.3465,
0.2977

Harmonies

Analogous

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



27.3954, 0.3288, 0.4340



27.3954, 0.2720, 0.3980



27.3954, 0.2287, 0.3385

Triad

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



27.3954, 0.2720, 0.3980



27.3954, 0.2393, 0.2359



27.3954, 0.4301, 0.3571

Complementary

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



27.3954, 0.2720, 0.3980



13.6134, 0.3910, 0.2714

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.



27.3954, 0.4022, 0.3115



27.3954, 0.2720, 0.3980



27.3954, 0.2876, 0.2451

Square

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



27.3954, 0.2720, 0.3980



27.3954, 0.2119, 0.2479



27.3954, 0.3479, 0.2720



27.3954, 0.4223, 0.4010

Rectangle

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



27.3954, 0.2720, 0.3980



27.3954, 0.2122, 0.2997



27.3954, 0.3479, 0.2720



27.3954, 0.4247, 0.3417

Sweetspot

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



27.3965, 0.2720, 0.3980



57.1569, 0.2982, 0.3473



28.4809, 0.3384, 0.4740



12.7697, 0.2965, 0.3497



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.



27.3965, 0.2720, 0.3980



48.2604, 0.2669, 0.4166



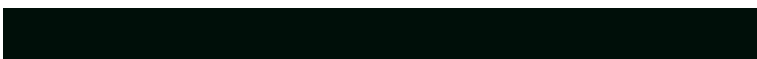
27.0849, 0.2456, 0.3214



7.4602, 0.3044, 0.3390



20.1654, 0.2657, 0.4765



0.3690, 0.2476, 0.4113

Inverse Universe

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



13.6134, 0.3910, 0.2714



20.4608, 0.4183, 0.2616



13.5484, 0.4534, 0.3359



6.6921, 0.3219, 0.3192



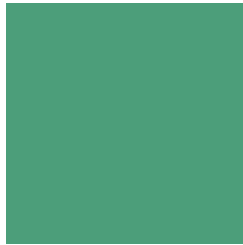
6.1774, 0.5168, 0.2621



0.1188, 0.4257, 0.2119

Previews

White Background



This preview shows how the Yxy color 27.3954, 0.2720, 0.3980 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 27.3954, 0.2720, 0.3980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

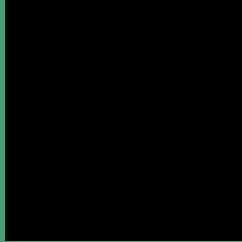
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.3954, 0.2720, 0.3980

Background



This preview shows how black text looks on a background with the Yxy color 27.3954, 0.2720, 0.3980.



This preview shows how white text looks on a background with the Yxy color 27.3954, 0.2720, 0.3980.

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

27.3954, 0.2720, 0.3980

Protanopia

27.1402, 0.3517, 0.3747

Deuteranopia

27.0007, 0.3508, 0.3448



Tritanopia

27.2478, 0.2477, 0.3062

Trichromacy



Original Color

27.3954, 0.2720, 0.3980

Protanomaly

26.7492, 0.3173, 0.3838

Deuteranomaly

26.4773, 0.3163, 0.3637

Tritanomaly

27.1659, 0.2567, 0.3379

Monochromacy



Original Color

27.3954, 0.2720, 0.3980

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

23.5775, 0.2948, 0.3550

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.3954, 0.2720, 0.3980 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(76, 158, 122)` looks like.

```
.text, #text, p{  
    color:rgb(76, 158, 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(76, 158, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 158, 122) }
```

Border

The CSS property to change the border of an element to Yxy 27.3954, 0.2720, 0.3980 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(76, 158, 122) }
```

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

```
.border{ border-color:rgb(76, 158, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 158, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 158, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 158, 122);  
box-shadow:4px 4px 4px 4px rgb(76, 158,  
122) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 27.3954, 0.2720, 0.3980$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 158, 122) }
```

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

```
.background{ background-color: rgb(76, 158,  
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](#).

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