

Converting Colors

$Yxy(27.6032, 0.2566, 0.3655)$

Have a look what the booklet for
Yxy(27.6032, 0.2566, 0.3655)
contains.

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Color

$Y_{xy}(27.5908, 0.2569, 0.3665)$

Conversions

Conversions Part 1

Format	Color
Hex	469E8A
RGB	70, 158, 138
RGB Percent	27%, 62%, 54%
CMY	0.7255, 0.3804, 0.4588
CMYK	0.56, 0.00, 0.13, 0.38
HSL	166°, 39%, 45%
HSV	166°, 56%, 62%
XYZ	19.3399, 27.5908, 28.3511
YIQ	129.4080, -46.0280, -24.8760

Conversions

Conversions Part 2

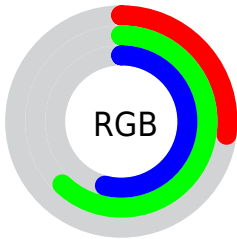
Format	Color
R_{YB}	70, 120, 158
Decimal	4628106
CIE _{Lab}	59.52, -31.42, 2.49
CIE _{LCh}	60, 31.517, 175.469
Yxy	27.5908, 0.2569, 0.3665
Android (android.graphics.Color)	4282818186 (0xFF469E8A)
YUV	129.4080, 4.2359, -52.1008
Hunter-Lab	52.5269, -26.2002, 4.7674

Details

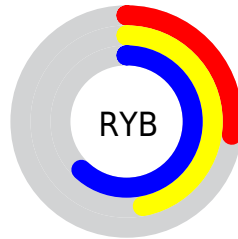
The Yxy color **27.5908, 0.2569, 0.3665** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.3878, 0.4356, 0.2975**, and the grayscale version is **22.1009, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.7857, 0.2689, 0.3589**, and **11.0126, 0.2391, 0.3808** is the 20% darker color. If you saturate the color by 10%, you get **26.9773, 0.2512, 0.3745**, and if you desaturate by 10%, it is **28.3645, 0.2643, 0.3587**.

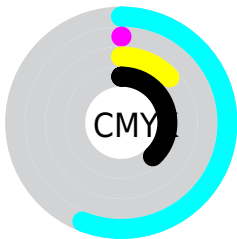
Distribution



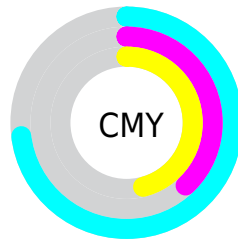
- Red (27%)
- Green (62%)
- Blue (54%)



- Red (27%)
- Yellow (47%)
- Blue (62%)



- Cyan (56%)
- Magenta (0%)
- Yellow (13%)
- Black (38%)





- Cyan (73%)
- Magenta (38%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.5908, 0.2569, 0.3665 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 27.5908, 0.2569, 0.3665 by changing the saturation by 10% instead.


 27.5908, 0.2569,
0.3665


 27.5908, 0.2569,
0.3665


290.5064, 0.2872,
0.3459


 18.0174, 0.2484,
0.3724


 55.8305, 0.2686,
0.3585


 10.9625, 0.2370,
0.3803


 75.2656, 0.2727,
0.3557

 6.0416, 0.2207,
0.3919

 98.7567, 0.2762,
0.3533

 2.8704, 0.1957,
0.4101

 126.6882, 0.2791,
0.3514

 1.0645, 0.1032,
0.4685

 159.4445, 0.2816,
0.3497

 0.0000, 0.0000,
0.0000

197.4101, 0.2837,

0.3483

240.9692, 0.2856,
0.3470

■ 27.5908, 0.2569,
0.3665

■ 27.5908, 0.2569,
0.3665

■ 26.9773, 0.2512,
0.3745

■ 28.3645, 0.2643,
0.3587

■ 26.5083, 0.2473,
0.3828

■ 29.3063, 0.2732,
0.3513

■ 26.1705, 0.2453,
0.3910

■ 30.4272, 0.2833,
0.3444

■ 25.9447, 0.2451,
0.3992

■ 31.7367, 0.2942,
0.3380

■ 25.8622, 0.2452,
0.4028

■ 33.2433, 0.3059,
0.3321

■ 34.9551, 0.3179,
0.3268

■ 36.8798, 0.3301,
0.3220

■ 39.0246, 0.3424,
0.3177

■ 41.3963, 0.3544,
0.3140

Harmonies

Analogous

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



27.5908, 0.3036, 0.4098



27.5908, 0.2569, 0.3665



27.5908, 0.2266, 0.3137

Triad

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



27.5908, 0.2569, 0.3665



27.5908, 0.2656, 0.2473



27.5908, 0.4172, 0.3739

Complementary

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



27.5908, 0.2569, 0.3665



12.3878, 0.4356, 0.2975

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.



27.5908, 0.4067, 0.3328



27.5908, 0.2569, 0.3665



27.5908, 0.3151, 0.2633

Square

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



27.5908, 0.2569, 0.3665



27.5908, 0.2315, 0.2493



27.5908, 0.3680, 0.2936



27.5908, 0.3972, 0.4085

Rectangle

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



27.5908, 0.2569, 0.3665



27.5908, 0.2184, 0.2837



27.5908, 0.3680, 0.2936



27.5908, 0.4172, 0.3604

Sweetspot

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



27.5919, 0.2569, 0.3665



57.2185, 0.2924, 0.3390



27.0975, 0.3212, 0.4945



12.7962, 0.2903, 0.3402



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.



27.5919, 0.2569, 0.3665



48.7416, 0.2500, 0.3767



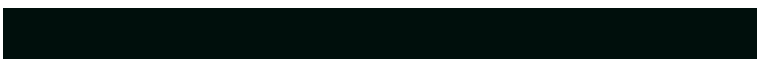
20.9694, 0.2345, 0.2843



7.4837, 0.3017, 0.3341



20.7182, 0.2450, 0.4021



0.3763, 0.2359, 0.3694

Inverse Universe

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



12.3878, 0.4356, 0.2975



18.2671, 0.4822, 0.2940



15.6225, 0.4500, 0.3669



6.6696, 0.3250, 0.3239



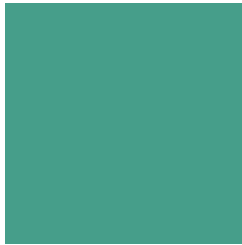
5.9286, 0.5952, 0.3052



0.1117, 0.4994, 0.2525

Previews

White Background



This preview shows how the Yxy color 27.5908, 0.2569, 0.3665 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 27.5908, 0.2569, 0.3665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

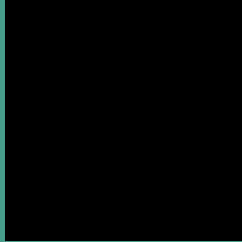
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.5908, 0.2569, 0.3665

Background



This preview shows how black text looks on a background with the Yxy color 27.5908, 0.2569, 0.3665.

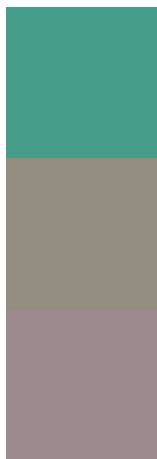


This preview shows how white text looks on a background with the Yxy color 27.5908, 0.2569, 0.3665.

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

27.5908, 0.2569, 0.3665

Protanopia

27.2269, 0.3325, 0.3502

Deuteranopia

27.1979, 0.3285, 0.3228



Tritanopia

27.5698, 0.2428, 0.3078

Trichromacy



Original Color

27.5908, 0.2569, 0.3665

Protanomaly

26.8388, 0.2994, 0.3571

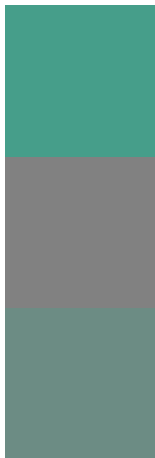
Deuteranomaly

26.5339, 0.2960, 0.3358

Tritanomaly

27.3795, 0.2473, 0.3270

Monochromacy



Original Color

27.5908, 0.2569, 0.3665

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

23.6103, 0.2872, 0.3437

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5908, 0.2569, 0.3665 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(70, 158, 138)` looks like.

```
.text, #text, p{  
  color:rgb(70, 158, 138)  
}
```

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(70, 158, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 158, 138) }
```

Border

The CSS property to change the border of an element to Yxy 27.5908, 0.2569, 0.3665 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(70, 158, 138) }
```

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

```
.border{ border-color:rgb(70, 158, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 158, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 158, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 158, 138);  
box-shadow:4px 4px 4px 4px rgb(70, 158,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5908, 0.2569, 0.3665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 158, 138) }
```

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

```
.background{ background-color: rgb(70, 158,  
138) }
```

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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