

Converting Colors

$Y_{xy}(27.5151, 0.2255, 0.3015)$

Have a look what the booklet for
Yxy(27.5151, 0.2255, 0.3015)
contains.

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Color

$Y_{xy}(27.3598, 0.2251, 0.3003)$

Conversions

Conversions Part 1

Format	Color
Hex	2F9CAC
RGB	47, 156, 172
RGB Percent	18%, 61%, 67%
CMY	0.8157, 0.3882, 0.3254
CMYK	0.73, 0.09, 0.00, 0.33
HSL	188°, 57%, 43%
HSV	188°, 73%, 67%
XYZ	20.5085, 27.3598, 43.2400
YIQ	125.2330, -70.1000, -18.1320

Conversions

Conversions Part 2

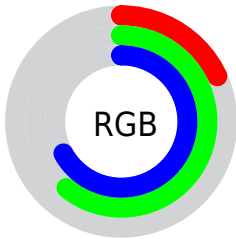
Format	Color
RYB	47, 105, 172
Decimal	3120300
CIELab	59.31, -24.70, -17.17
CIELCh	59, 30.081, 214.804
Yxy	27.3598, 0.2251, 0.3003
Android (android.graphics.Color)	4281310380 (0xFF2F9CAC)
YUV	125.2330, 23.0561, -68.6103
Hunter-Lab	52.3066, -21.5500, -12.3983

Details

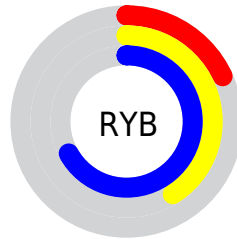
The Yxy color **27.3598, 0.2251, 0.3003** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.5358, 0.5373, 0.3488**, and the grayscale version is **20.5302, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.5141, 0.2424, 0.3079**, and **11.2567, 0.2133, 0.2879** is the 20% darker color. If you saturate the color by 10%, you get **26.2963, 0.2194, 0.2958**, and if you desaturate by 10%, it is **28.5998, 0.2327, 0.3047**.

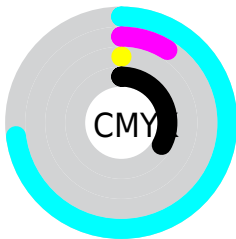
Distribution



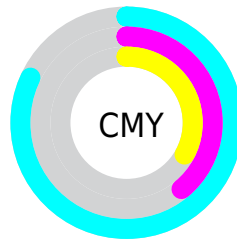
- Red (18%)
- Green (61%)
- Blue (67%)



- Red (18%)
- Yellow (41%)
- Blue (67%)



- Cyan (73%)
- Magenta (9%)
- Yellow (0%)
- Black (33%)



- Cyan (82%)
- Magenta (39%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.3598, 0.2251, 0.3003 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 27.3598, 0.2251, 0.3003 by changing the saturation by 10% instead.

■ 27.3598, 0.2251,
0.3003

■ 27.3598, 0.2251,
0.3003

■ 289.3950, 0.2712,
0.3172

■ 17.8436, 0.2130,
0.2951

■ 55.4607, 0.2423,
0.3071

■ 10.8378, 0.1971,
0.2879

■ 74.8142, 0.2487,
0.3095

■ 5.9579, 0.1755,
0.2770

■ 98.2156, 0.2540,
0.3114

■ 2.8195, 0.1450,
0.2595

■ 126.0493, 0.2585,
0.3129

■ 1.0382, 0.0841,
0.2321

■ 158.6997, 0.2623,
0.3143

■ 0.0000, 0.0000,
0.0000

196.5512, 0.2657,

0.3154

239.9882, 0.2686,
0.3163

■ 27.3598, 0.2251,
0.3003

■ 27.3598, 0.2251,
0.3003

■ 26.2963, 0.2194,
0.2958

■ 28.5998, 0.2327,
0.3047

■ 25.3860, 0.2155,
0.2914

■ 30.0304, 0.2421,
0.3091

■ 24.7848, 0.2134,
0.2882

■ 31.6674, 0.2531,
0.3134

■ 33.5240, 0.2656,
0.3174

■ 35.6125, 0.2792,
0.3213

■ 37.9441, 0.2936,
0.3249

■ 40.5293, 0.3086,
0.3282

■ 43.3778, 0.3239,
0.3312

■ 46.4989, 0.3393,
0.3339

Harmonies

Analogous

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



27.3598, 0.2481, 0.3491



27.3598, 0.2251, 0.3003



27.3598, 0.2235, 0.2653

Triad

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



27.3598, 0.2251, 0.3003



27.3598, 0.3312, 0.2737



27.3598, 0.3831, 0.4126

Complementary

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



27.3598, 0.2251, 0.3003



12.5358, 0.5373, 0.3488

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.



27.3598, 0.4098, 0.3839



27.3598, 0.2251, 0.3003



27.3598, 0.3794, 0.3062

Square

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



27.3598, 0.2251, 0.3003



27.3598, 0.2812, 0.2535



27.3598, 0.4090, 0.3453



27.3598, 0.3385, 0.4192

Rectangle

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



27.3598, 0.2251, 0.3003



27.3598, 0.2342, 0.2527



27.3598, 0.4090, 0.3453



27.3598, 0.3945, 0.4048

Sweetspot

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



27.3608, 0.2251, 0.3003



64.7022, 0.2796, 0.3214



30.4608, 0.2959, 0.5368



13.8374, 0.2760, 0.3204



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.3608, 0.2251, 0.3003



46.6902, 0.2169, 0.2932



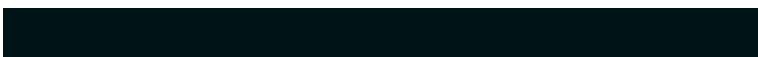
11.7548, 0.1952, 0.1806



8.8943, 0.2986, 0.3260



18.4949, 0.2135, 0.2887



0.5623, 0.2172, 0.3020

Inverse Universe

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



13.2065, 0.3435, 0.1887



20.9398, 0.3509, 0.1764



23.4180, 0.4577, 0.4331



8.1301, 0.3156, 0.3095



8.1701, 0.3555, 0.1732



0.2321, 0.3437, 0.1667

Previews

White Background



This preview shows how the Yxy color 27.3598, 0.2251, 0.3003 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 27.3598, 0.2251, 0.3003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

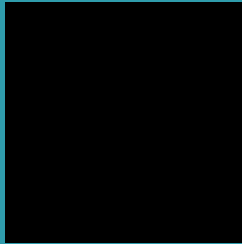
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.3598, 0.2251, 0.3003

Background



This preview shows how black text looks on a background with the Yxy color 27.3598, 0.2251, 0.3003.

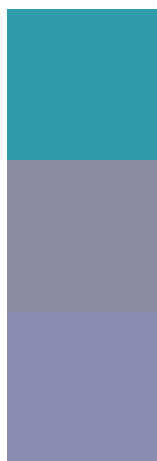


This preview shows how white text looks on a background with the Yxy color 27.3598, 0.2251, 0.3003.

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

27.3598, 0.2251, 0.3003

Protanopia

27.0617, 0.2896, 0.2954

Deuteranopia

27.0031, 0.2772, 0.2717



Tritanopia

27.1994, 0.2261, 0.3054

Trichromacy



Original Color

27.3598, 0.2251, 0.3003

Protanomaly

26.3142, 0.2576, 0.2949

Deuteranomaly

26.3492, 0.2509, 0.2790

Tritanomaly

27.2601, 0.2258, 0.3037

Monochromacy



Original Color

27.3598, 0.2251, 0.3003

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

22.1027, 0.2675, 0.3176

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.3598, 0.2251, 0.3003 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(47, 156, 172)` looks like.

```
.text, #text, p{  
  color:rgb(47, 156, 172)  
}
```

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(47, 156, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 156, 172) }
```

Border

The CSS property to change the border of an element to Yxy 27.3598, 0.2251, 0.3003 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(47, 156, 172) }
```

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

```
.border{ border-color:rgb(47, 156, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 156, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 156, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 156, 172);  
box-shadow:4px 4px 4px 4px rgb(47, 156,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 27.3598, 0.2251, 0.3003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 156, 172) }
```

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

```
.background{ background-color: rgb(47, 156,  
172) }
```

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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