

Converting Colors

$Y_{xy}(27.2790, 0.2371, 0.3139)$

Have a look what the booklet for
Yxy(27.2790, 0.2371, 0.3139)
contains.

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Color

Yxy(27.2453, 0.2375, 0.3144)

Conversions

Conversions Part 1

Format	Color
Hex	429BA3
RGB	66, 155, 163
RGB Percent	26%, 61%, 64%
CMY	0.7411, 0.3922, 0.3607
CMYK	0.59, 0.05, 0.00, 0.36
HSL	185°, 42%, 45%
HSV	185°, 59%, 64%
XYZ	20.5813, 27.2453, 38.8315
YIQ	129.3010, -55.6120, -16.3800

Conversions

Conversions Part 2

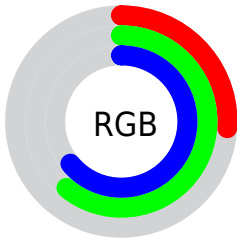
Format	Color
R _Y B	66, 112, 163
Decimal	4365219
CIE Lab	59.20, -23.89, -12.17
CIE LCh	59, 26.815, 207.002
Yxy	27.2453, 0.2375, 0.3144
Android (android.graphics.Color)	4282555299 (0xFF429BA3)
YUV	129.3010, 16.6136, -55.5150
Hunter-Lab	52.1970, -20.9622, -7.5703

Details

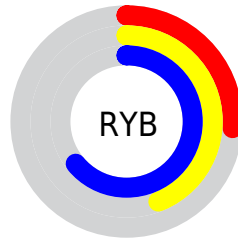
The Yxy color **27.2453, 0.2375, 0.3144** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.0858, 0.4837, 0.3413**, and the grayscale version is **22.0226, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.4402, 0.2527, 0.3183**, and **10.8482, 0.2187, 0.3074** is the 20% darker color. If you saturate the color by 10%, you get **26.3122, 0.2299, 0.3116**, and if you desaturate by 10%, it is **28.3469, 0.2469, 0.3171**.

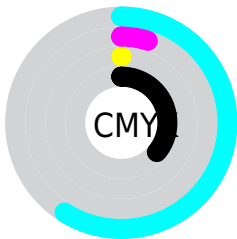
Distribution



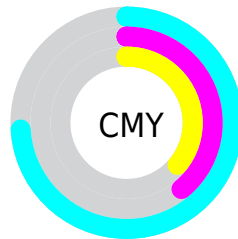
- Red (26%)
- Green (61%)
- Blue (64%)



- Red (26%)
- Yellow (44%)
- Blue (64%)



- Cyan (59%)
- Magenta (5%)
- Yellow (0%)
- Black (36%)




- Cyan (74%)
- Magenta (39%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.2453, 0.2375, 0.3144 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 27.2453, 0.2375, 0.3144 by changing the saturation by 10% instead.


 27.2453, 0.2375,
0.3144

 27.2453, 0.2375,
0.3144


288.8429, 0.2774,
0.3234


 17.7575, 0.2268,
0.3115


 55.2772, 0.2526,
0.3181


 10.7761, 0.2126,
0.3073


 74.5902, 0.2581,
0.3194


 5.9165, 0.1931,
0.3008

 97.9470, 0.2626,
0.3204

 2.7943, 0.1646,
0.2896

 125.7321, 0.2665,
0.3212

 1.0253, 0.1026,
0.2732

 158.3299, 0.2698,
0.3219

 0.0000, 0.0000,
0.0000

196.1246, 0.2727,

0.3224

239.5008, 0.2752,
0.3229

■ 27.2453, 0.2375,
0.3144

■ 27.2453, 0.2375,
0.3144

■ 26.3122, 0.2299,
0.3116

■ 28.3469, 0.2469,
0.3171

■ 25.5303, 0.2242,
0.3088

■ 29.6262, 0.2579,
0.3198

■ 24.8841, 0.2202,
0.3061

■ 31.0958, 0.2704,
0.3224

■ 24.3380, 0.2177,
0.3033

■ 32.7657, 0.2840,
0.3248

■ 24.3110, 0.2176,
0.3032

■ 34.6457, 0.2984,
0.3270

■ 36.7446, 0.3135,
0.3291

■ 39.0709, 0.3289,
0.3310

■ 41.6324, 0.3443,
0.3327

■ 44.4368, 0.3596,
0.3342

Harmonies

Analogous

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



27.2453, 0.2632, 0.3587



27.2453, 0.2375, 0.3144



27.2453, 0.2307, 0.2788

Triad

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



27.2453, 0.2375, 0.3144



27.2453, 0.3174, 0.2731



27.2453, 0.3841, 0.3989

Complementary

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



27.2453, 0.2375, 0.3144



13.0858, 0.4837, 0.3413

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.



27.2453, 0.4018, 0.3704



27.2453, 0.2375, 0.3144



27.2453, 0.3621, 0.3002

Square

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



27.2453, 0.2375, 0.3144



27.2453, 0.2743, 0.2584



27.2453, 0.3939, 0.3348



27.2453, 0.3475, 0.4101

Rectangle

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



27.2453, 0.2375, 0.3144



27.2453, 0.2372, 0.2641



27.2453, 0.3939, 0.3348



27.2453, 0.3926, 0.3908

Sweetspot

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



27.2463, 0.2375, 0.3144



59.0395, 0.2856, 0.3251



27.8337, 0.3002, 0.5053



13.0614, 0.2817, 0.3244



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



27.2463, 0.2375, 0.3144



46.6915, 0.2281, 0.3108



14.5414, 0.2173, 0.2221



7.9106, 0.2988, 0.3271



18.9218, 0.2176, 0.3034



0.4250, 0.2204, 0.3134

Inverse Universe

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



14.0546, 0.3304, 0.2021



21.4572, 0.3346, 0.1837



21.8539, 0.4330, 0.4127



7.1920, 0.3149, 0.3086



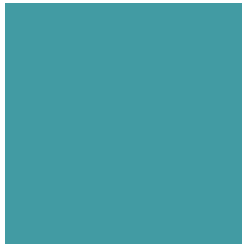
7.7543, 0.3424, 0.1660



0.1657, 0.3338, 0.1612

Previews

White Background



This preview shows how the Yxy color 27.2453, 0.2375, 0.3144 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 27.2453, 0.2375, 0.3144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

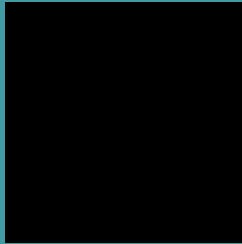
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.2453, 0.2375, 0.3144

Background



This preview shows how black text looks on a background with the Yxy color 27.2453, 0.2375, 0.3144.

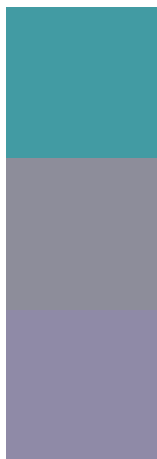


This preview shows how white text looks on a background with the Yxy color 27.2453, 0.2375, 0.3144.

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

27.2453, 0.2375, 0.3144

Protanopia

27.0456, 0.3001, 0.3081

Deuteranopia

26.8066, 0.2899, 0.2837



Tritanopia

27.1302, 0.2357, 0.3057

Trichromacy



Original Color

27.2453, 0.2375, 0.3144

Protanomaly

26.5695, 0.2720, 0.3101

Deuteranomaly

26.3445, 0.2653, 0.2922

Tritanomaly

27.0577, 0.2358, 0.3074

Monochromacy



Original Color

27.2453, 0.2375, 0.3144

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

23.1642, 0.2770, 0.3234

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2453, 0.2375, 0.3144 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(66, 155, 163)` looks like.

```
.text, #text, p{  
    color:rgb(66, 155, 163)  
}
```

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(66, 155, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 155, 163) }
```

Border

The CSS property to change the border of an element to Yxy 27.2453, 0.2375, 0.3144 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(66, 155, 163) }
```

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

```
.border{ border-color:rgb(66, 155, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 155, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 155, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 155, 163);  
box-shadow:4px 4px 4px 4px rgb(66, 155,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 27.2453, 0.2375, 0.3144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 155, 163) }
```

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

```
.background{ background-color: rgb(66, 155,  
163) }
```

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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