

Converting Colors

$Y_{xy}(29.9406, 0.2399, 0.3075)$

Have a look what the booklet for
Yxy(29.9406, 0.2399, 0.3075)
contains.

Yxy(29.7784, 0.2395, 0.3067)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(29.7784, 0.2395, 0.3067)$

Conversions

Conversions Part 1

Format	Color
Hex	4EA0AD
RGB	78, 160, 173
RGB Percent	31%, 63%, 68%
CMY	0.6942, 0.3725, 0.3215
CMYK	0.55, 0.08, 0.00, 0.32
HSL	188°, 38%, 49%
HSV	188°, 55%, 68%
XYZ	23.2538, 29.7784, 44.0608
YIQ	136.9640, -53.0450, -13.3410

Conversions

Conversions Part 2

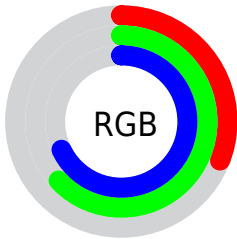
Format	Color
R_{YB}	78, 122, 173
Decimal	5152941
CIE _{Lab}	61.46, -21.17, -14.38
CIE _{LCh}	61, 25.590, 214.177
Yxy	29.7784, 0.2395, 0.3067
Android (android.graphics.Color)	4283343021 (0xFF4EA0AD)
YUV	136.9640, 17.7657, -51.7114
Hunter-Lab	54.5696, -19.4325, -9.6734

Details

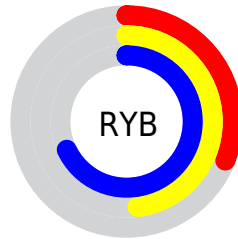
The Yxy color $29.7784, 0.2395, 0.3067$ is a dark color, and the websafe version is hex 339999 . A complement of this color would be $16.9116, 0.4603, 0.3484$, and the grayscale version is $24.9462, 0.3127, 0.3290$.

A 20% lighter version of the original color is $59.3532, 0.2542, 0.3125$, and $12.1185, 0.2160, 0.2962$ is the 20% darker color. If you saturate the color by 10%, you get $28.3299, 0.2304, 0.3020$, and if you desaturate by 10%, it is $31.4370, 0.2503, 0.3113$.

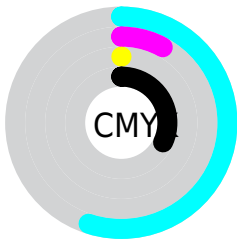
Distribution



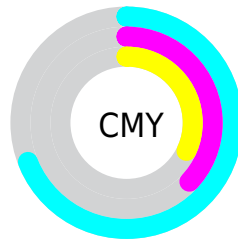
- Red (31%)
- Green (63%)
- Blue (68%)



- Red (31%)
- Yellow (48%)
- Blue (68%)



- Cyan (55%)
- Magenta (8%)
- Yellow (0%)
- Black (32%)



- Cyan (69%)
- Magenta (37%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7784, 0.2395, 0.3067 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 29.7784, 0.2395, 0.3067 by changing the saturation by 10% instead.


 29.7784, 0.2395,
0.3067


 29.7784, 0.2395,
0.3067


300.8702, 0.2778,
0.3196


 19.6704, 0.2294,
0.3028


 59.3116, 0.2538,
0.3118


 12.1557, 0.2162,
0.2975


 79.5055, 0.2591,
0.3136


 6.8498, 0.1983,
0.2895


 103.8303, 0.2635,
0.3151

 3.3684, 0.1726,
0.2768

 132.6703, 0.2672,
0.3163

 1.3269, 0.1321,
0.2544

 166.4099, 0.2704,
0.3173

 0.1619, 0.0000,
0.1191

205.4335, 0.2732,

 0.0000, 0.0000,

0.3182

0.0000

250.1254, 0.2757,
0.3189

■ 29.7784, 0.2395,
0.3067

■ 29.7784, 0.2395,
0.3067

■ 28.3299, 0.2304,
0.3020

■ 31.4370, 0.2503,
0.3113

■ 27.0725, 0.2231,
0.2972

■ 33.3161, 0.2625,
0.3157

■ 25.9896, 0.2177,
0.2924

■ 35.4294, 0.2760,
0.3199

■ 25.0592, 0.2141,
0.2877

■ 37.7886, 0.2903,
0.3238

■ 24.6202, 0.2126,
0.2853

■ 40.4044, 0.3052,
0.3273

■ 43.2868, 0.3205,
0.3306

■ 46.4456, 0.3358,
0.3336

■ 49.8896, 0.3510,
0.3362

■ 53.6275, 0.3658,
0.3385

Harmonies

Analogous

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



29.7784, 0.2596, 0.3468



29.7784, 0.2395, 0.3067



29.7784, 0.2376, 0.2767

Triad

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



29.7784, 0.2395, 0.3067



29.7784, 0.3274, 0.2820



29.7784, 0.3722, 0.3983

Complementary

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



29.7784, 0.2395, 0.3067



16.9116, 0.4603, 0.3484

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.



29.7784, 0.3934, 0.3751



29.7784, 0.2395, 0.3067



29.7784, 0.3671, 0.3097

Square

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



29.7784, 0.2395, 0.3067



29.7784, 0.2860, 0.2651



29.7784, 0.3919, 0.3429



29.7784, 0.3356, 0.4030

Rectangle

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



29.7784, 0.2395, 0.3067



29.7784, 0.2465, 0.2655



29.7784, 0.3919, 0.3429



29.7784, 0.3815, 0.3921

Sweetspot

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



29.7795, 0.2395, 0.3067



67.0762, 0.2883, 0.3233



32.2576, 0.2970, 0.4800



14.3904, 0.2855, 0.3225



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.



29.7795, 0.2395, 0.3067



50.2042, 0.2286, 0.3009



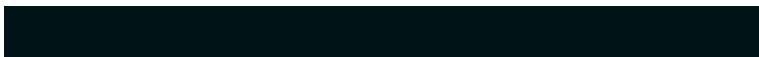
16.4049, 0.2215, 0.2193



8.8824, 0.2986, 0.3258



18.1468, 0.2127, 0.2858



0.5553, 0.2167, 0.3001

Inverse Universe

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



16.8676, 0.3359, 0.2154



25.4874, 0.3423, 0.1966



27.6575, 0.4171, 0.4162



8.1289, 0.3158, 0.3096



8.1350, 0.3581, 0.1746



0.2314, 0.3453, 0.1676

Previews

White Background



This preview shows how the Yxy color 29.7784, 0.2395, 0.3067 looks on a white background.

Color Contrast Check

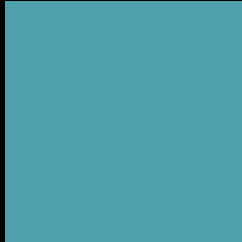
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7784, 0.2395, 0.3067 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

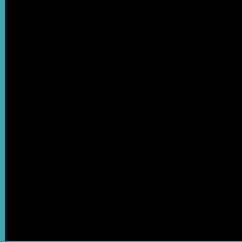
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.7784, 0.2395, 0.3067

Background



This preview shows how black text looks on a background with the Yxy color 29.7784, 0.2395, 0.3067.



This preview shows how white text looks on a background with the Yxy color 29.7784, 0.2395, 0.3067.

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

29.7784, 0.2395, 0.3067

Protanopia

29.2578, 0.2949, 0.3011

Deuteranopia

29.3770, 0.2871, 0.2810



Tritanopia

29.7784, 0.2395, 0.3067

Trichromacy



Original Color

29.7784, 0.2395, 0.3067

Protanomaly

28.9882, 0.2709, 0.3029

Deuteranomaly

29.1188, 0.2663, 0.2892

Tritanomaly

29.7784, 0.2395, 0.3067

Monochromacy



Original Color

29.7784, 0.2395, 0.3067

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

26.1658, 0.2795, 0.3203

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7784, 0.2395, 0.3067 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(78, 160, 173)` looks like.

```
.text, #text, p{  
    color:rgb(78, 160, 173)  
}
```

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(78, 160, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 160, 173) }
```

Border

The CSS property to change the border of an element to Yxy 29.7784, 0.2395, 0.3067 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(78, 160, 173) }
```

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

```
.border{ border-color:rgb(78, 160, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 160, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 160, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 160, 173);  
box-shadow:4px 4px 4px 4px rgb(78, 160,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7784, 0.2395, 0.3067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 160, 173) }
```

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

```
.background{ background-color: rgb(78, 160,  
173) }
```

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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