

Converting Colors

$Y_{xy}(27.7510, 0.2532, 0.3049)$

Have a look what the booklet for
Yxy(27.7510, 0.2532, 0.3049)
contains.

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Color

$\text{Yxy}(27.7510, 0.2532, 0.3049)$

Conversions

Conversions Part 1

Format	Color
Hex	6198A6
RGB	97, 152, 166
RGB Percent	38%, 60%, 65%
CMY	0.6194, 0.4039, 0.3490
CMYK	0.42, 0.08, 0.00, 0.35
HSL	192°, 28%, 52%
HSV	192°, 42%, 65%
XYZ	23.0454, 27.7510, 40.2203
YIQ	137.1510, -37.2740, -7.3060

Conversions

Conversions Part 2

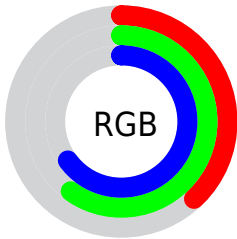
Format	Color
R_{YB}	97, 128, 166
Decimal	6396070
CIE _{Lab}	59.66, -14.35, -13.05
CIE _{LCh}	60, 19.396, 222.278
Yxy	27.7510, 0.2532, 0.3049
Android (android.graphics.Color)	4284586150 (0xFF6198A6)
YUV	137.1510, 14.2226, -35.2124
Hunter-Lab	52.6792, -14.1007, -8.3921

Details

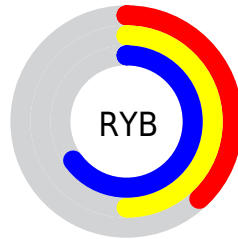
The Yxy color $27.7510, 0.2532, 0.3049$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $20.3555, 0.4069, 0.3513$, and the grayscale version is $25.0370, 0.3127, 0.3290$.

A 20% lighter version of the original color is $55.9424, 0.2653, 0.3099$, and $11.0577, 0.2335, 0.2958$ is the 20% darker color. If you saturate the color by 10%, you get $25.8534, 0.2412, 0.2981$, and if you desaturate by 10%, it is $29.8727, 0.2664, 0.3114$.

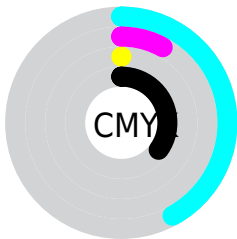
Distribution



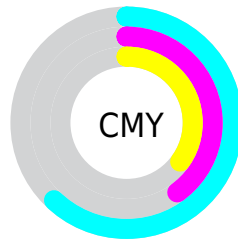
- Red (38%)
- Green (60%)
- Blue (65%)



- Red (38%)
- Yellow (50%)
- Blue (65%)



- Cyan (42%)
- Magenta (8%)
- Yellow (0%)
- Black (35%)





- Cyan (62%)
- Magenta (40%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7510, 0.2532, 0.3049 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 27.7510, 0.2532, 0.3049 by changing the saturation by 10% instead.


 27.7510, 0.2532,
0.3049


 27.7510, 0.2532,
0.3049


291.2752, 0.2849,
0.3185


 18.1380, 0.2447,
0.3009


 56.0867, 0.2652,
0.3103

 11.0491, 0.2333,
0.2953


 75.5781, 0.2695,
0.3122

 6.0999, 0.2175,
0.2872

 99.1313, 0.2732,
0.3137

 2.9059, 0.1942,
0.2741

 127.1304, 0.2762,
0.3150

 1.0828, 0.1547,
0.2513

159.9600, 0.2789,
0.3161

 0.0000, 0.0000,
0.0000

198.0044, 0.2811,

0.3170

241.6480, 0.2831,
0.3178

■ 27.7510, 0.2532,
0.3049

■ 27.7510, 0.2532,
0.3049

■ 25.8534, 0.2412,
0.2981

■ 29.8727, 0.2664,
0.3114

■ 24.1645, 0.2306,
0.2910

■ 32.2266, 0.2806,
0.3175

■ 22.6718, 0.2218,
0.2837

■ 34.8241, 0.2953,
0.3231

■ 21.3597, 0.2148,
0.2764

■ 37.6749, 0.3104,
0.3283

■ 20.2100, 0.2097,
0.2691

■ 40.7881, 0.3255,
0.3329

■ 19.3289, 0.2064,
0.2629

■ 44.1723, 0.3405,
0.3371

■ 47.8358, 0.3551,
0.3408

■ 51.7863, 0.3693,
0.3441

■ 56.0315, 0.3829,
0.3469

Harmonies

Analogous

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



27.7510, 0.2657, 0.3345



27.7510, 0.2532, 0.3049



27.7510, 0.2556, 0.2841

Triad

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



27.7510, 0.2532, 0.3049



27.7510, 0.3333, 0.2972



27.7510, 0.3526, 0.3854

Complementary

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



27.7510, 0.2532, 0.3049



20.3555, 0.4069, 0.3513

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.



27.7510, 0.3726, 0.3715



27.7510, 0.2532, 0.3049



27.7510, 0.3615, 0.3211

Square

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



27.7510, 0.2532, 0.3049



27.7510, 0.3005, 0.2810



27.7510, 0.3762, 0.3478



27.7510, 0.3224, 0.3834

Rectangle

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



27.7510, 0.2532, 0.3049



27.7510, 0.2654, 0.2772



27.7510, 0.3762, 0.3478



27.7510, 0.3608, 0.3823

Sweetspot

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



27.7521, 0.2532, 0.3049



62.8589, 0.2943, 0.3227



30.9631, 0.2967, 0.4286



13.9314, 0.2925, 0.3221



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



27.7521, 0.2532, 0.3049



47.1158, 0.2418, 0.2985



18.1938, 0.2433, 0.2423



8.2693, 0.2987, 0.3243



15.0549, 0.2066, 0.2636



0.4301, 0.2132, 0.2875

Inverse Universe

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



18.9341, 0.3351, 0.2471



29.4456, 0.3418, 0.2299



29.3206, 0.3850, 0.4023



7.6401, 0.3167, 0.3112



7.5909, 0.3789, 0.1861



0.1911, 0.3566, 0.1738

Previews

White Background



This preview shows how the Yxy color 27.7510, 0.2532, 0.3049 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 27.7510, 0.2532, 0.3049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

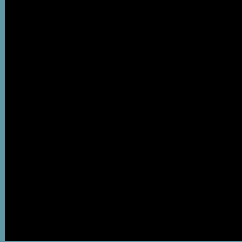
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7510, 0.2532, 0.3049

Background



This preview shows how black text looks on a background with the Yxy color 27.7510, 0.2532, 0.3049.



This preview shows how white text looks on a background with the Yxy color 27.7510, 0.2532, 0.3049.

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

27.7510, 0.2532, 0.3049

Protanopia

27.5468, 0.2945, 0.3004

Deuteranopia

27.6405, 0.2902, 0.2842



Tritanopia

27.6782, 0.2546, 0.3082

Trichromacy



Original Color

27.7510, 0.2532, 0.3049

Protanomaly

27.5264, 0.2777, 0.3027

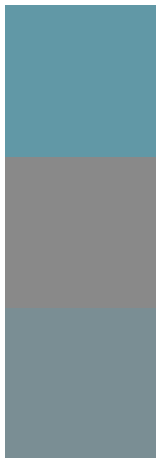
Deuteranomaly

27.3629, 0.2752, 0.2903

Tritanomaly

27.7145, 0.2539, 0.3066

Monochromacy



Original Color

27.7510, 0.2532, 0.3049

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

25.6217, 0.2866, 0.3186

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7510, 0.2532, 0.3049 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(97, 152, 166)` looks like.

```
.text, #text, p{  
    color:rgb(97, 152, 166)  
}
```

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(97, 152, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 152, 166) }
```

Border

The CSS property to change the border of an element to Yxy 27.7510, 0.2532, 0.3049 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(97, 152, 166) }
```

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

```
.border{ border-color:rgb(97, 152, 166) }
```

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

Here you see how a box with a 4 pixel rgb(97, 152, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 152, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 152, 166);  
box-shadow:4px 4px 4px 4px rgb(97, 152,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7510, 0.2532, 0.3049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 152, 166) }
```

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

```
.background{ background-color: rgb(97, 152,  
166) }
```

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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