

Converting Colors

$Y_{xy}(30.0780, 0.2198, 0.3054)$

Have a look what the booklet for
Yxy(30.0780, 0.2198, 0.3054)
contains.

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Color

Yxy(30.2532, 0.2200, 0.3062)

Conversions

Conversions Part 1

Format	Color
Hex	12A5B2
RGB	18, 165, 178
RGB Percent	7%, 65%, 70%
CMY	0.9304, 0.3529, 0.3020
CMYK	0.90, 0.07, 0.00, 0.30
HSL	185°, 82%, 38%
HSV	185°, 90%, 70%
XYZ	21.7365, 30.2532, 46.8124
YIQ	122.5290, -91.7850, -27.1210

Conversions

Conversions Part 2

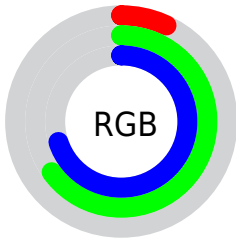
Format	Color
RYB	18, 95, 178
Decimal	1222066
CIELab	61.87, -29.89, -16.69
CIELCh	62, 34.234, 209.173
Yxy	30.2532, 0.2200, 0.3062
Android (android.graphics.Color)	4279412146 (0xFF12A5B2)
YUV	122.5290, 27.3472, -91.6719
Hunter-Lab	55.0029, -25.7141, -11.9591

Details

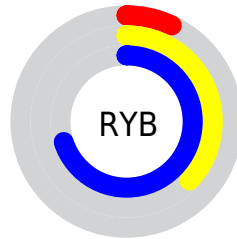
The Yxy color **30.2532, 0.2200, 0.3062** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.4738, 0.6111, 0.3378**, and the grayscale version is **19.5507, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.8362, 0.2374, 0.3108**, and **13.2909, 0.2166, 0.2996** is the 20% darker color. If you saturate the color by 10%, you get **29.6122, 0.2177, 0.3035**, and if you desaturate by 10%, it is **31.0185, 0.2238, 0.3089**.

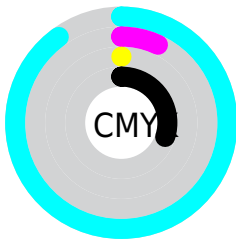
Distribution



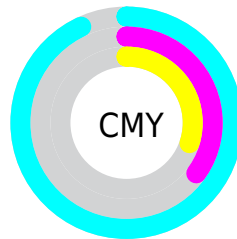
- Red (7%)
- Green (65%)
- Blue (70%)



- Red (7%)
- Yellow (37%)
- Blue (70%)



- Cyan (90%)
- Magenta (7%)
- Yellow (0%)
- Black (30%)





- Cyan (93%)
- Magenta (35%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.2532, 0.2200, 0.3062 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 30.2532, 0.2200, 0.3062 by changing the saturation by 10% instead.


 30.2532, 0.2200,
0.3062


 30.2532, 0.2200,
0.3062


303.0829, 0.2679,
0.3199


 20.0309, 0.2077,
0.3019


 60.0624, 0.2377,
0.3118

 12.4175, 0.1918,
0.2959


 80.4180, 0.2443,
0.3137

 7.0287, 0.1705,
0.2869


 104.9201, 0.2498,
0.3153

 3.4800, 0.1411,
0.2722

 133.9532, 0.2545,
0.3165

 1.3872, 0.0928,
0.2477

 167.9017, 0.2586,
0.3176

 0.2073, 0.0000,
0.1244

207.1498, 0.2621,

 0.0000, 0.0000,

0.3185

0.0000

252.0821, 0.2652,
0.3193

■ 30.2532, 0.2200,
0.3062

■ 30.2532, 0.2200,
0.3062

■ 29.6122, 0.2177,
0.3035

■ 31.0185, 0.2238,
0.3089

■ 31.9472, 0.2293,
0.3117

■ 33.0612, 0.2368,
0.3144

■ 34.3785, 0.2461,
0.3171

■ 35.9145, 0.2570,
0.3198

■ 37.6833, 0.2694,
0.3223

■ 39.6979, 0.2830,
0.3247

■ 41.9702, 0.2975,
0.3269

■ 44.5112, 0.3127,
0.3290

Harmonies

Analogous

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



30.2532, 0.2489, 0.3616



30.2532, 0.2200, 0.3062



30.2532, 0.2140, 0.2645

Triad

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



30.2532, 0.2200, 0.3062



30.2532, 0.3221, 0.2634



30.2532, 0.3970, 0.4158

Complementary

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



30.2532, 0.2200, 0.3062



10.4738, 0.6111, 0.3378

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.



30.2532, 0.4217, 0.3808



30.2532, 0.2200, 0.3062



30.2532, 0.3771, 0.2965

Square

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



30.2532, 0.2200, 0.3062



30.2532, 0.2688, 0.2445



30.2532, 0.4149, 0.3380



30.2532, 0.3505, 0.4297

Rectangle

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



30.2532, 0.2200, 0.3062



30.2532, 0.2228, 0.2484



30.2532, 0.4149, 0.3380



30.2532, 0.4082, 0.4057

Sweetspot

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



30.2543, 0.2200, 0.3062



69.2306, 0.2728, 0.3229



32.0526, 0.2985, 0.5840



15.0795, 0.2684, 0.3221



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



30.2543, 0.2200, 0.3062



53.5390, 0.2175, 0.3031



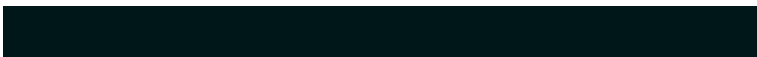
10.1872, 0.1791, 0.1559



9.5113, 0.2986, 0.3271



21.2315, 0.2177, 0.3038



0.7025, 0.2198, 0.3114

Inverse Universe

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



12.6062, 0.3397, 0.1688



21.9805, 0.3427, 0.1662



20.3503, 0.5032, 0.4287



8.6346, 0.3150, 0.3083



8.6835, 0.3421, 0.1658



0.2767, 0.3355, 0.1622

Previews

White Background



This preview shows how the Yxy color 30.2532, 0.2200, 0.3062 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.2532, 0.2200, 0.3062 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

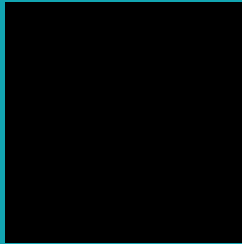
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.2532, 0.2200, 0.3062

Background



This preview shows how black text looks on a background with the Yxy color 30.2532, 0.2200, 0.3062.



This preview shows how white text looks on a background with the Yxy color 30.2532, 0.2200, 0.3062.

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

30.2532, 0.2200, 0.3062

Protanopia

29.7316, 0.2941, 0.2998

Deuteranopia

29.7392, 0.2803, 0.2740



Tritanopia

30.2631, 0.2202, 0.3062

Trichromacy



Original Color

30.2532, 0.2200, 0.3062



Protanomaly

28.6661, 0.2524, 0.3020



Deuteranomaly

28.4453, 0.2445, 0.2815



Tritanomaly

30.2631, 0.2202, 0.3062

Monochromacy



Original Color

30.2532, 0.2200, 0.3062



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

22.0148, 0.2571, 0.3211

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2532, 0.2200, 0.3062 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(18, 165, 178)` looks like.

```
.text, #text, p{  
    color:rgb(18, 165, 178)  
}
```

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(18, 165, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 165, 178) }
```

Border

The CSS property to change the border of an element to Yxy 30.2532, 0.2200, 0.3062 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(18, 165, 178) }
```

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

```
.border{ border-color:rgb(18, 165, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 165, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 165, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 165, 178);  
box-shadow:4px 4px 4px 4px rgb(18, 165,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2532, 0.2200, 0.3062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 165, 178) }
```

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

```
.background{ background-color: rgb(18, 165,  
178) }
```

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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