

Converting Colors

$Y_{xy}(30.7911, 0.2229, 0.3039)$

Have a look what the booklet for
Yxy(30.7911, 0.2229, 0.3039)
contains.

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Color

Yxy(30.6176, 0.2227, 0.3031)

Conversions

Conversions Part 1

Format	Color
Hex	26A5B4
RGB	38, 165, 180
RGB Percent	15%, 65%, 71%
CMY	0.8504, 0.3530, 0.2941
CMYK	0.79, 0.08, 0.00, 0.29
HSL	186°, 65%, 43%
HSV	186°, 79%, 71%
XYZ	22.4960, 30.6176, 47.9012
YIQ	128.7370, -80.5070, -22.2590

Conversions

Conversions Part 2

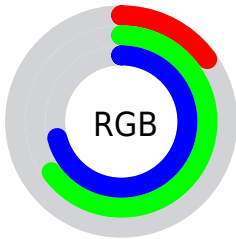
Format	Color
R_{YB}	38, 105, 180
Decimal	2532788
CIE _{Lab}	62.18, -27.71, -17.31
CIE _{LCh}	62, 32.675, 211.992
Yxy	30.6176, 0.2227, 0.3031
Android (android.graphics.Color)	4280722868 (0xFF26A5B4)
YUV	128.7370, 25.2727, -79.5763
Hunter-Lab	55.3332, -24.2629, -12.5934

Details

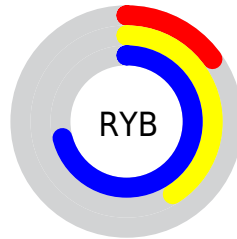
The Yxy color **30.6176, 0.2227, 0.3031** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.4035, 0.5678, 0.3444**, and the grayscale version is **21.8025, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.4307, 0.2395, 0.3085**, and **13.3426, 0.2153, 0.2951** is the 20% darker color. If you saturate the color by 10%, you get **29.6726, 0.2184, 0.2995**, and if you desaturate by 10%, it is **31.7406, 0.2288, 0.3067**.

Distribution



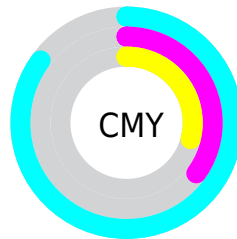
- Red (15%)
- Green (65%)
- Blue (71%)



- Red (15%)
- Yellow (41%)
- Blue (71%)



- Cyan (79%)
- Magenta (8%)
- Yellow (0%)
- Black (29%)





- Cyan (85%)
- Magenta (35%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.6176, 0.2227, 0.3031 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 30.6176, 0.2227, 0.3031 by changing the saturation by 10% instead.


 30.6176, 0.2227,
0.3031


 30.6176, 0.2227,
0.3031


304.7727, 0.2692,
0.3183


 20.3078, 0.2108,
0.2985


 60.6375, 0.2399,
0.3092


 12.6190, 0.1953,
0.2920


 81.1165, 0.2462,
0.3113


 7.1667, 0.1747,
0.2825

 105.7539, 0.2516,
0.3131

 3.5666, 0.1462,
0.2674

 134.9343, 0.2562,
0.3145

 1.4342, 0.1020,
0.2416

 169.0419, 0.2601,
0.3157

 0.2417, 0.0000,
0.1335

208.4613, 0.2635,

 0.0000, 0.0000,

0.3167

0.0000

253.5768, 0.2665,
0.3176

■ 30.6176, 0.2227,
0.3031

■ 30.6176, 0.2227,
0.3031

■ 29.6726, 0.2184,
0.2995

■ 31.7406, 0.2288,
0.3067

■ 28.8648, 0.2157,
0.2959

■ 33.0594, 0.2368,
0.3104

■ 28.7714, 0.2154,
0.2955

■ 34.5929, 0.2466,
0.3139

■ 36.3571, 0.2580,
0.3174

■ 38.3664, 0.2708,
0.3207

■ 40.6337, 0.2847,
0.3238

■ 43.1713, 0.2994,
0.3267

■ 45.9906, 0.3145,
0.3293

■ 49.1022, 0.3300,
0.3317

Harmonies

Analogous

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



30.6176, 0.2485, 0.3550



30.6176, 0.2227, 0.3031



30.6176, 0.2190, 0.2649

Triad

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



30.6176, 0.2227, 0.3031



30.6176, 0.3268, 0.2688



30.6176, 0.3897, 0.4141

Complementary

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



30.6176, 0.2227, 0.3031



12.4035, 0.5678, 0.3444

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.



30.6176, 0.4154, 0.3824



30.6176, 0.2227, 0.3031



30.6176, 0.3783, 0.3016

Square

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



30.6176, 0.2227, 0.3031



30.6176, 0.2753, 0.2492



30.6176, 0.4118, 0.3418



30.6176, 0.3442, 0.4242

Rectangle

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



30.6176, 0.2227, 0.3031



30.6176, 0.2288, 0.2507



30.6176, 0.4118, 0.3418



30.6176, 0.4010, 0.4053

Sweetspot

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



30.6187, 0.2227, 0.3031



71.3180, 0.2768, 0.3221



33.3066, 0.2967, 0.5566



15.1110, 0.2720, 0.3210



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.



30.6187, 0.2227, 0.3031



52.6557, 0.2163, 0.2967



11.8743, 0.1881, 0.1702



9.4750, 0.2986, 0.3265



20.1402, 0.2155, 0.2959



0.6774, 0.2183, 0.3059

Inverse Universe

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



13.8150, 0.3417, 0.1794



22.5553, 0.3482, 0.1707



24.0735, 0.4739, 0.4340



8.6309, 0.3153, 0.3089



8.5733, 0.3490, 0.1696



0.2742, 0.3402, 0.1648

Previews

White Background



This preview shows how the Yxy color 30.6176, 0.2227, 0.3031 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 30.6176, 0.2227, 0.3031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

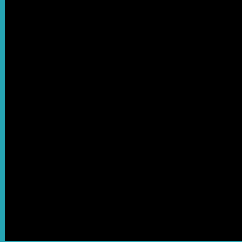
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.6176, 0.2227, 0.3031

Background



This preview shows how black text looks on a background with the Yxy color 30.6176, 0.2227, 0.3031.

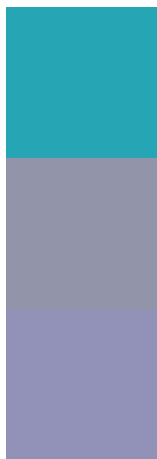


This preview shows how white text looks on a background with the Yxy color 30.6176, 0.2227, 0.3031.

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

30.6176, 0.2227, 0.3031

Protanopia

30.1554, 0.2915, 0.2969

Deuteranopia

30.1295, 0.2787, 0.2728



Tritanopia

30.5583, 0.2229, 0.3047

Trichromacy



Original Color

30.6176, 0.2227, 0.3031



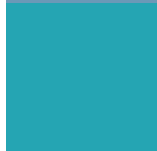
Protanomaly

29.2541, 0.2560, 0.2977



Deuteranomaly

29.3272, 0.2490, 0.2809



Tritanomaly

30.5583, 0.2229, 0.3047

Monochromacy



Original Color

30.6176, 0.2227, 0.3031



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

23.9709, 0.2631, 0.3179

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.6176, 0.2227, 0.3031 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(38, 165, 180)` looks like.

```
.text, #text, p{  
    color:rgb(38, 165, 180)  
}
```

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(38, 165, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 165, 180) }
```

Border

The CSS property to change the border of an element to Yxy 30.6176, 0.2227, 0.3031 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(38, 165, 180) }
```

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

```
.border{ border-color:rgb(38, 165, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 165, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 165, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 165, 180);  
box-shadow:4px 4px 4px 4px rgb(38, 165,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 30.6176, 0.2227, 0.3031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 165, 180) }
```

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

```
.background{ background-color: rgb(38, 165,  
180) }
```

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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