

Converting Colors

$Yxy(30.2442, 0.2399, 0.3236)$

Have a look what the booklet for
Yxy(30.2442, 0.2399, 0.3236)
contains.

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Color

Yxy(30.1765, 0.2398, 0.3236)

Conversions

Conversions Part 1

Format	Color
Hex	44A3A6
RGB	68, 163, 166
RGB Percent	27%, 64%, 65%
CMY	0.7334, 0.3608, 0.3491
CMYK	0.59, 0.02, 0.00, 0.35
HSL	182°, 42%, 46%
HSV	182°, 59%, 65%
XYZ	22.3619, 30.1765, 40.7140
YIQ	134.9370, -57.5830, -19.2070

Conversions

Conversions Part 2

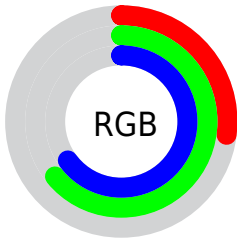
Format	Color
R _{YB}	68, 116, 166
Decimal	4498342
CIE _{Lab}	61.81, -26.70, -9.94
CIE _{LCh}	62, 28.492, 200.415
Y _{xy}	30.1765, 0.2398, 0.3236
Android (android.graphics.Color)	4282688422 (0xFF44A3A6)
Y _{UV}	134.9370, 15.3141, -58.7037
Hunter-Lab	54.9331, -23.4700, -5.4899

Details

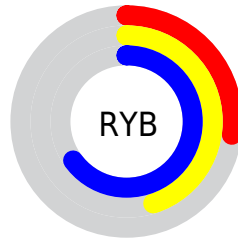
The Yxy color **30.1765, 0.2398, 0.3236** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.0248, 0.4874, 0.3338**, and the grayscale version is **24.1613, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.7989, 0.2539, 0.3250**, and **12.5838, 0.2225, 0.3211** is the 20% darker color. If you saturate the color by 10%, you get **29.4843, 0.2328, 0.3226**, and if you desaturate by 10%, it is **31.0406, 0.2487, 0.3246**.

Distribution



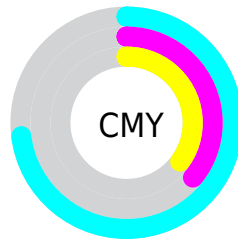
- Red (27%)
- Green (64%)
- Blue (65%)



- Red (27%)
- Yellow (45%)
- Blue (65%)



- Cyan (59%)
- Magenta (2%)
- Yellow (0%)
- Black (35%)





- Cyan (73%)
- Magenta (36%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.1765, 0.2398, 0.3236 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 30.1765, 0.2398, 0.3236 by changing the saturation by 10% instead.


 30.1765, 0.2398,
0.3236


 30.1765, 0.2398,
0.3236

302.7263, 0.2780,
0.3274

 19.9726, 0.2297,
0.3222


 59.9412, 0.2541,
0.3253


 12.3751, 0.2165,
0.3200


 80.2708, 0.2593,
0.3259


 6.9997, 0.1984,
0.3166


 104.7444, 0.2637,
0.3263

 3.4619, 0.1724,
0.3103

 133.7463, 0.2674,
0.3266

 1.3774, 0.1282,
0.2990

 167.6611, 0.2706,
0.3269

 0.2000, 0.0000,
0.1797

206.8731, 0.2734,

 0.0000, 0.0000,

0.3271

0.0000

251.7667, 0.2759,
0.3273

■ 30.1765, 0.2398,
0.3236

■ 30.1765, 0.2398,
0.3236

■ 29.4843, 0.2328,
0.3226

■ 31.0406, 0.2487,
0.3246

■ 28.9460, 0.2276,
0.3216

■ 32.0862, 0.2592,
0.3256

■ 28.5454, 0.2242,
0.3206

■ 33.3262, 0.2713,
0.3265

■ 28.2486, 0.2223,
0.3196

■ 34.7712, 0.2847,
0.3274

■ 28.2214, 0.2221,
0.3195

■ 36.4312, 0.2991,
0.3283

■ 38.3155, 0.3142,
0.3291

■ 40.4328, 0.3297,
0.3298

■ 42.7915, 0.3455,
0.3304

■ 45.3994, 0.3611,
0.3310

Harmonies

Analogous

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



30.1765, 0.2699, 0.3692



30.1765, 0.2398, 0.3236



30.1765, 0.2285, 0.2841

Triad

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



30.1765, 0.2398, 0.3236



30.1765, 0.3071, 0.2672



30.1765, 0.3919, 0.3954

Complementary

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



30.1765, 0.2398, 0.3236



13.0248, 0.4874, 0.3338

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.



30.1765, 0.4048, 0.3636



30.1765, 0.2398, 0.3236



30.1765, 0.3539, 0.2925

Square

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



30.1765, 0.2398, 0.3236



30.1765, 0.2650, 0.2555



30.1765, 0.3908, 0.3268



30.1765, 0.3577, 0.4119

Rectangle

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



30.1765, 0.2398, 0.3236



30.1765, 0.2322, 0.2664



30.1765, 0.3908, 0.3268



30.1765, 0.3990, 0.3859

Sweetspot

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



30.1776, 0.2398, 0.3236



63.3193, 0.2857, 0.3275



28.9325, 0.3031, 0.5125



13.9938, 0.2818, 0.3273



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.



30.1776, 0.2398, 0.3236



53.1727, 0.2309, 0.3223



16.3234, 0.2200, 0.2326



8.4924, 0.2987, 0.3283



21.9020, 0.2221, 0.3196



0.5445, 0.2230, 0.3229

Inverse Universe

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



14.8828, 0.3231, 0.1971



23.0099, 0.3252, 0.1773



21.6258, 0.4370, 0.4053



7.6626, 0.3142, 0.3074



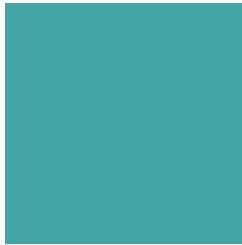
8.2821, 0.3285, 0.1583



0.2027, 0.3258, 0.1568

Previews

White Background



This preview shows how the Yxy color 30.1765, 0.2398, 0.3236 looks on a white background.

Color Contrast Check

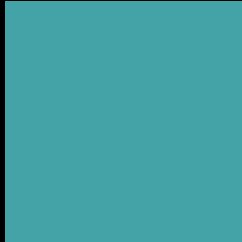
Large Text (above 18pt) WCAG AA × Fail

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 30.1765, 0.2398, 0.3236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

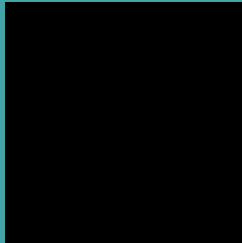
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

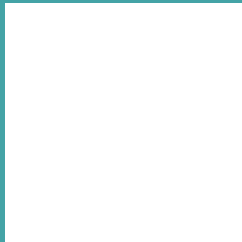
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.1765, 0.2398, 0.3236

Background



This preview shows how black text looks on a background with the Yxy color 30.1765, 0.2398, 0.3236.

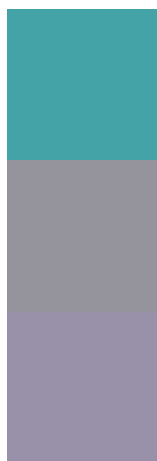


This preview shows how white text looks on a background with the Yxy color 30.1765, 0.2398, 0.3236.

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

30.1765, 0.2398, 0.3236

Protanopia

29.6573, 0.3062, 0.3150

Deuteranopia

29.9254, 0.2973, 0.2916



Tritanopia

30.3135, 0.2361, 0.3067

Trichromacy



Original Color

30.1765, 0.2398, 0.3236

Protanomaly

29.3136, 0.2759, 0.3174

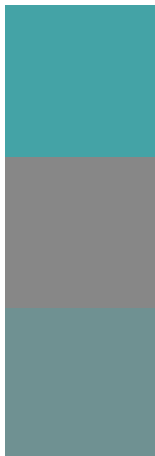
Deuteranomaly

29.4586, 0.2704, 0.3015

Tritanomaly

30.1588, 0.2373, 0.3117

Monochromacy



Original Color

30.1765, 0.2398, 0.3236

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.7056, 0.2783, 0.3271

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1765, 0.2398, 0.3236 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(68, 163, 166)` looks like.

```
.text, #text, p{  
    color:rgb(68, 163, 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(68, 163, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 163, 166) }
```

Border

The CSS property to change the border of an element to Yxy 30.1765, 0.2398, 0.3236 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(68, 163, 166) }
```

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

```
.border{ border-color:rgb(68, 163, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 163, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 163, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 163, 166);  
box-shadow:4px 4px 4px 4px rgb(68, 163,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1765, 0.2398, 0.3236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 163, 166) }
```

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

```
.background{ background-color: rgb(68, 163,  
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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