

Converting Colors

$Y_{xy}(29.9995, 0.2596, 0.3578)$

Have a look what the booklet for
Yxy(29.9995, 0.2596, 0.3578)
contains.

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Color

Yxy(30.0948, 0.2594, 0.3574)

Conversions

Conversions Part 1

Format	Color
Hex	52A393
RGB	82, 163, 147
RGB Percent	32%, 64%, 58%
CMY	0.6785, 0.3608, 0.4235
CMYK	0.50, 0.00, 0.10, 0.36
HSL	168°, 33%, 48%
HSV	168°, 50%, 64%
XYZ	21.8427, 30.0948, 32.2673
YIQ	136.9570, -43.1400, -22.1480

Conversions

Conversions Part 2

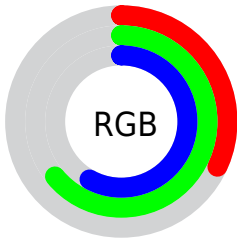
Format	Color
RYB	82, 127, 163
Decimal	5415827
CIELab	61.74, -28.81, 0.69
CIELCh	62, 28.815, 178.635
Yxy	30.0948, 0.2594, 0.3574
Android (android.graphics.Color)	4283605907 (0xFF52A393)
YUV	136.9570, 4.9512, -48.1973
Hunter-Lab	54.8587, -24.9306, 3.5274

Details

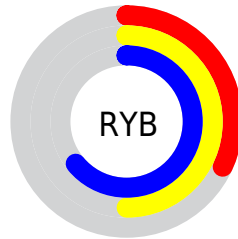
The Yxy color **30.0948, 0.2594, 0.3574** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.6998, 0.4205, 0.3041**, and the grayscale version is **24.9913, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.6782, 0.2702, 0.3511**, and **12.3914, 0.2411, 0.3665** is the 20% darker color. If you saturate the color by 10%, you get **29.3506, 0.2524, 0.3642**, and if you desaturate by 10%, it is **31.0178, 0.2680, 0.3509**.

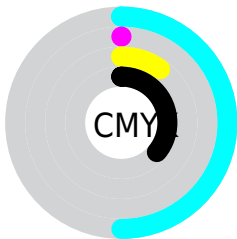
Distribution



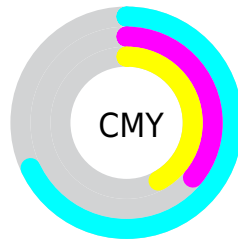
- Red (32%)
- Green (64%)
- Blue (58%)



- Red (32%)
- Yellow (50%)
- Blue (64%)



- Cyan (50%)
- Magenta (0%)
- Yellow (10%)
- Black (36%)





- Cyan (68%)
- Magenta (36%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0948, 0.2594, 0.3574 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 30.0948, 0.2594, 0.3574 by changing the saturation by 10% instead.


 30.0948, 0.2594,
0.3574


 30.0948, 0.2594,
0.3574

302.3461, 0.2879,
0.3422


 19.9106, 0.2516,
0.3616


 59.8121, 0.2702,
0.3516


 12.3300, 0.2413,
0.3672


 80.1139, 0.2741,
0.3495


 6.9689, 0.2267,
0.3750


 104.5570, 0.2774,
0.3478

 3.4426, 0.2049,
0.3869

 133.5258, 0.2801,
0.3463

 1.3670, 0.1600,
0.4113

 167.4048, 0.2825,
0.3450

 0.1922, 0.0000,
0.5437

206.5782, 0.2845,

 0.0000, 0.0000,

0.3440

0.0000

251.4305, 0.2863,
0.3430

■ 30.0948, 0.2594,
0.3574

■ 30.0948, 0.2594,
0.3574

■ 29.3506, 0.2524,
0.3642

■ 31.0178, 0.2680,
0.3509

■ 28.7691, 0.2472,
0.3712

■ 32.1272, 0.2779,
0.3447

■ 28.3373, 0.2439,
0.3782


■ 33.4347, 0.2889,
0.3390


■ 28.0385, 0.2424,
0.3853

■ 34.9498, 0.3007,
0.3337

■ 27.8359, 0.2424,
0.3923


■ 36.6814, 0.3131,
0.3289

 27.8303, 0.2424,
0.3926

 38.6380, 0.3257,
0.3245

 40.8275, 0.3385,
0.3206

 43.2575, 0.3511,
0.3172

 45.9352, 0.3635,
0.3142

Harmonies

Analogous

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



30.0948, 0.3002, 0.3970



30.0948, 0.2594, 0.3574



30.0948, 0.2338, 0.3113

Triad

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



30.0948, 0.2594, 0.3574



30.0948, 0.2750, 0.2563



30.0948, 0.4050, 0.3736

Complementary

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



30.0948, 0.2594, 0.3574



14.6998, 0.4205, 0.3041

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.



30.0948, 0.3983, 0.3369



30.0948, 0.2594, 0.3574



30.0948, 0.3201, 0.2723

Square

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



30.0948, 0.2594, 0.3574



30.0948, 0.2424, 0.2566



30.0948, 0.3663, 0.3009



30.0948, 0.3851, 0.4027

Rectangle

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



30.0948, 0.2594, 0.3574



30.0948, 0.2277, 0.2855



30.0948, 0.3663, 0.3009



30.0948, 0.4059, 0.3618

Sweetspot

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



30.0960, 0.2594, 0.3574



61.0302, 0.2941, 0.3366



29.4118, 0.3189, 0.4766



13.5875, 0.2917, 0.3377



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



30.0960, 0.2594, 0.3574



52.3979, 0.2516, 0.3652



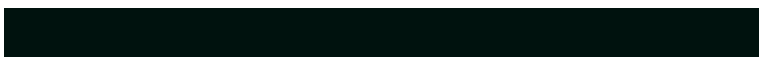
22.8151, 0.2406, 0.2847



7.9872, 0.3013, 0.3335



21.6345, 0.2422, 0.3919



0.4604, 0.2351, 0.3665

Inverse Universe

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



14.6998, 0.4205, 0.3041



21.5084, 0.4615, 0.3001



18.7633, 0.4275, 0.3677



7.1078, 0.3255, 0.3246



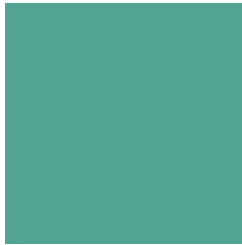
6.1387, 0.6041, 0.3102



0.1349, 0.5174, 0.2624

Previews

White Background



This preview shows how the Yxy color 30.0948, 0.2594, 0.3574 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 30.0948, 0.2594, 0.3574 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

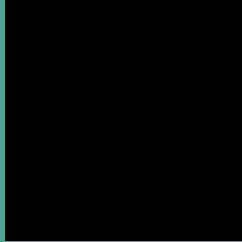
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.0948, 0.2594, 0.3574

Background



This preview shows how black text looks on a background with the Yxy color 30.0948, 0.2594, 0.3574.

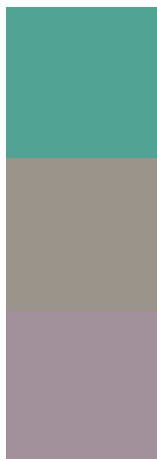


This preview shows how white text looks on a background with the Yxy color 30.0948, 0.2594, 0.3574.

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

30.0948, 0.2594, 0.3574

Protanopia

29.8162, 0.3267, 0.3432

Deuteranopia

29.7580, 0.3238, 0.3185



Tritanopia

29.9485, 0.2466, 0.3070

Trichromacy



Original Color

30.0948, 0.2594, 0.3574

Protanomaly

29.2475, 0.2973, 0.3474

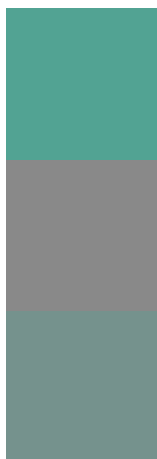
Deuteranomaly

29.2408, 0.2949, 0.3306

Tritanomaly

29.8122, 0.2509, 0.3237

Monochromacy



Original Color

30.0948, 0.2594, 0.3574

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

26.2628, 0.2883, 0.3377

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0948, 0.2594, 0.3574 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(82, 163, 147)` looks like.

```
.text, #text, p{  
    color:rgb(82, 163, 147)  
}
```

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(82, 163, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 163, 147) }
```

Border

The CSS property to change the border of an element to Yxy 30.0948, 0.2594, 0.3574 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(82, 163, 147) }
```

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

```
.border{ border-color:rgb(82, 163, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 163, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 163, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 163, 147);  
box-shadow:4px 4px 4px 4px rgb(82, 163,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0948, 0.2594, 0.3574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 163, 147) }
```

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

```
.background{ background-color: rgb(82, 163,  
147) }
```

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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