

Converting Colors

$Y_{xy}(30.7412, 0.2559, 0.3908)$

Have a look what the booklet for
Yxy(30.7412, 0.2559, 0.3908)
contains.

Yxy(30.6244, 0.2557, 0.3903)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(30.6244, 0.2557, 0.3903)

Conversions

Conversions Part 1

Format	Color
Hex	39A887
RGB	57, 168, 135
RGB Percent	22%, 66%, 53%
CMY	0.7765, 0.3412, 0.4706
CMYK	0.66, 0.00, 0.20, 0.34
HSL	162°, 49%, 44%
HSV	162°, 66%, 66%
XYZ	20.0632, 30.6244, 27.7762
YIQ	131.0490, -55.5630, -33.7950

Conversions

Conversions Part 2

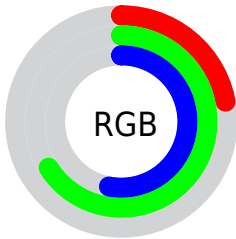
Format	Color
RYB	57, 122, 168
Decimal	3778695
CIELab	62.19, -39.31, 7.97
CIELCh	62, 40.114, 168.546
Yxy	30.6244, 0.2557, 0.3903
Android (android.graphics.Color)	4281968775 (0xFF39A887)
YUV	131.0490, 1.9478, -64.9410
Hunter-Lab	55.3393, -32.1289, 8.9784

Details

The Yxy color **30.6244, 0.2557, 0.3903** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **11.9897, 0.4588, 0.2827**, and the grayscale version is **22.7238, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.7241, 0.2678, 0.3776**, and **12.9173, 0.2477, 0.4118** is the 20% darker color. If you saturate the color by 10%, you get **30.0734, 0.2525, 0.4014**, and if you desaturate by 10%, it is **31.3477, 0.2608, 0.3794**.

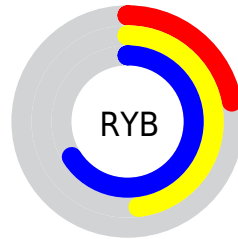
Distribution



Red (22%)

Green (66%)

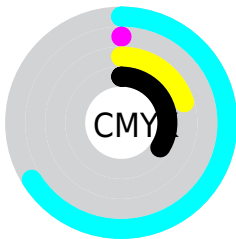
Blue (53%)



Red (22%)

Yellow (48%)

Blue (66%)

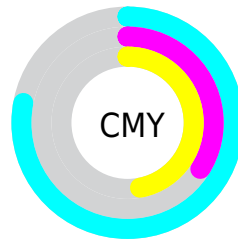


Cyan (66%)

Magenta (0%)

Yellow (20%)

Black (34%)



Cyan (78%)


Magenta (34%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.6244, 0.2557, 0.3903 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 30.6244, 0.2557, 0.3903 by changing the saturation by 10% instead.


 30.6244, 0.2557,
0.3903


 30.6244, 0.2557,
0.3903


304.8042, 0.2866,
0.3564

 20.3130, 0.2471,
0.4000


 60.6482, 0.2675,
0.3771


 12.6228, 0.2356,
0.4133


 81.1295, 0.2718,
0.3724


 7.1693, 0.2191,
0.4327


 105.7694, 0.2753,
0.3686

 3.5682, 0.1942,
0.4632

 134.9526, 0.2783,
0.3654

 1.4351, 0.1209,
0.5374

 169.0632, 0.2808,
0.3626

 0.2424, 0.0000,
1.0000

208.4857, 0.2830,

 0.0000, 0.0000,

0.3603

0.0000

253.6046, 0.2849,
0.3582

■ 30.6244, 0.2557,
0.3903

■ 30.6244, 0.2557,
0.3903

■ 30.0734, 0.2525,
0.4014

■ 31.3477, 0.2608,
0.3794

■ 29.6743, 0.2512,
0.4126

■ 32.2544, 0.2675,
0.3690

■ 29.4055, 0.2518,
0.4236

■ 33.3587, 0.2757,
0.3590

■ 29.3157, 0.2522,
0.4280

■ 34.6725, 0.2851,
0.3497

■ 36.2065, 0.2952,
0.3412

■ 37.9710, 0.3060,
0.3334

■ 39.9754, 0.3171,
0.3263

■ 42.2287, 0.3283,
0.3200

■ 44.7392, 0.3395,
0.3144

Harmonies

Analogous

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



30.6244, 0.3147, 0.4382



30.6244, 0.2557, 0.3903



30.6244, 0.2146, 0.3234

Triad

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



30.6244, 0.2557, 0.3903



30.6244, 0.2439, 0.2295



30.6244, 0.4413, 0.3698

Complementary

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



30.6244, 0.2557, 0.3903



11.9897, 0.4588, 0.2827

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.



30.6244, 0.4201, 0.3207



30.6244, 0.2557, 0.3903



30.6244, 0.2999, 0.2442

Square

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



30.6244, 0.2557, 0.3903



30.6244, 0.2091, 0.2364



30.6244, 0.3659, 0.2765



30.6244, 0.4236, 0.4155

Rectangle

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



30.6244, 0.2557, 0.3903



30.6244, 0.2013, 0.2839



30.6244, 0.3659, 0.2765



30.6244, 0.4387, 0.3534

Sweetspot

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



30.6256, 0.2557, 0.3903



64.4536, 0.2908, 0.3448



30.4906, 0.3261, 0.5236



13.8866, 0.2880, 0.3471



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.



30.6256, 0.2557, 0.3903



54.2213, 0.2517, 0.4063



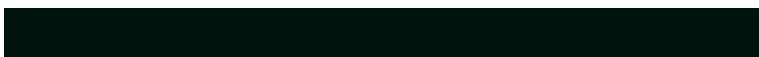
24.1941, 0.2265, 0.2883



8.4935, 0.3025, 0.3358



22.1465, 0.2519, 0.4269



0.5472, 0.2418, 0.3905

Inverse Universe

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



11.9897, 0.4588, 0.2827



17.9383, 0.5105, 0.2820



14.2417, 0.4984, 0.3604



7.5776, 0.3241, 0.3223



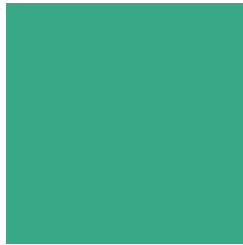
6.4682, 0.5729, 0.2930



0.1662, 0.4816, 0.2427

Previews

White Background



This preview shows how the Yxy color 30.6244, 0.2557, 0.3903 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 30.6244, 0.2557, 0.3903 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

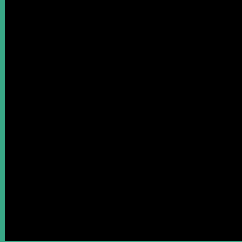
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.6244, 0.2557, 0.3903

Background



This preview shows how black text looks on a background with the Yxy color 30.6244, 0.2557, 0.3903.



This preview shows how white text looks on a background with the Yxy color 30.6244, 0.2557, 0.3903.

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

30.6244, 0.2557, 0.3903

Protanopia

30.1437, 0.3448, 0.3666

Deuteranopia

30.0555, 0.3416, 0.3351



Tritanopia

30.4311, 0.2365, 0.3052

Trichromacy



Original Color

30.6244, 0.2557, 0.3903



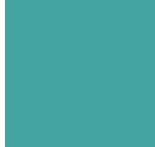
Protanomaly

29.4269, 0.3029, 0.3755



Deuteranomaly

29.1295, 0.3008, 0.3543



Tritanomaly

30.3531, 0.2432, 0.3341

Monochromacy



Original Color

30.6244, 0.2557, 0.3903



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

24.5555, 0.2838, 0.3512

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.6244, 0.2557, 0.3903 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(57, 168, 135)` looks like.

```
.text, #text, p{  
    color:rgb(57, 168, 135)  
}
```

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(57, 168, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 168, 135) }
```

Border

The CSS property to change the border of an element to Yxy 30.6244, 0.2557, 0.3903 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(57, 168, 135) }
```

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

```
.border{ border-color:rgb(57, 168, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 168, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 168, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 168, 135);  
box-shadow:4px 4px 4px 4px rgb(57, 168,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 30.6244, 0.2557, 0.3903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 168, 135) }
```

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

```
.background{ background-color: rgb(57, 168,  
135) }
```

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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