

Converting Colors

$Y_{xy}(30.1377, 0.3180, 0.3827)$

Have a look what the booklet for
Yxy(30.1377, 0.3180, 0.3827)
contains.

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Color

Yxy(30.1377, 0.3180, 0.3827)

Conversions

Conversions Part 1

Format	Color
Hex	849C7C
RGB	132, 156, 124
RGB Percent	52%, 61%, 49%
CMY	0.4824, 0.3882, 0.5137
CMYK	0.15, 0.00, 0.21, 0.39
HSL	105°, 14%, 55%
HSV	105°, 21%, 61%
XYZ	25.0426, 30.1377, 23.5699
YIQ	145.1760, -4.0320, -15.0400

Conversions

Conversions Part 2

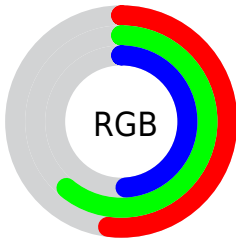
Format	Color
RYB	124, 156, 148
Decimal	8690812
CIELab	61.77, -14.69, 14.00
CIELCh	62, 20.293, 136.363
Yxy	30.1377, 0.3180, 0.3827
Android (android.graphics.Color)	4286880892 (0xFF849C7C)
YUV	145.1760, -10.4398, -11.5554
Hunter-Lab	54.8978, -14.6454, 12.9728

Details

The Yxy color $30.1377, 0.3180, 0.3827$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $23.1166, 0.3059, 0.2781$, and the grayscale version is $28.4359, 0.3127, 0.3290$.

A 20% lighter version of the original color is $60.0771, 0.3167, 0.3713$, and $12.4050, 0.3188, 0.4035$ is the 20% darker color. If you saturate the color by 10%, you get $28.8835, 0.3201, 0.4127$, and if you desaturate by 10%, it is $31.5628, 0.3155, 0.3551$.

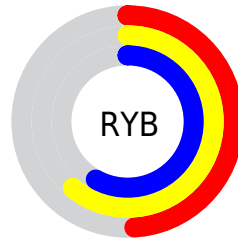
Distribution



Red (52%)

Green (61%)

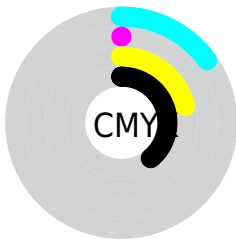
Blue (49%)



Red (49%)

Yellow (61%)

Blue (58%)

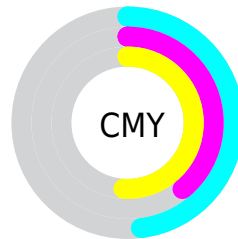


Cyan (15%)

Magenta (0%)

Yellow (21%)

Black (39%)



Cyan (48%)


Magenta (39%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.1377, 0.3180, 0.3827 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 30.1377, 0.3180, 0.3827 by changing the saturation by 10% instead.


 30.1377, 0.3180,
0.3827


 30.1377, 0.3180,
0.3827


302.5458, 0.3156,
0.3531


 19.9431, 0.3185,
0.3911


 59.8799, 0.3172,
0.3712

 12.3537, 0.3190,
0.4027


 80.1963, 0.3169,
0.3671

 6.9851, 0.3193,
0.4195


 104.6554, 0.3166,
0.3638

 3.4528, 0.3192,
0.4460

133.6416, 0.3163,
0.3609

 1.3724, 0.3270,
0.5096

167.5394, 0.3161,
0.3585

 0.1963, 0.0000,
1.0000

206.7331, 0.3159,

 0.0000, 0.0000,

0.3565

0.0000

251.6071, 0.3157,
0.3547

■ 30.1377, 0.3180,
0.3827

■ 30.1377, 0.3180,
0.3827

■ 28.8835, 0.3201,
0.4127

■ 31.5628, 0.3155,
0.3551

■ 27.7900, 0.3217,
0.4445

■ 33.1611, 0.3129,
0.3302

■ 26.8516, 0.3225,
0.4770

■ 34.9395, 0.3101,
0.3080

■ 26.0610, 0.3223,
0.5087

■ 36.9036, 0.3074,
0.2883

■ 25.4101, 0.3208,
0.5376

■ 39.0585, 0.3048,
0.2711

■ 24.8903, 0.3182,
0.5618

■ 41.4094, 0.3023,
0.2559

■ 24.4915, 0.3146,
0.5796

■ 43.9611, 0.2999,
0.2426

■ 24.2082, 0.3108,
0.5914

■ 46.7182, 0.2977,
0.2310

■ 49.0638, 0.3027,
0.2285

Harmonies

Analogous

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



30.1377, 0.3495, 0.3872



30.1377, 0.3180, 0.3827



30.1377, 0.2862, 0.3612

Triad

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



30.1377, 0.3180, 0.3827



30.1377, 0.2562, 0.2814



30.1377, 0.3654, 0.3245

Complementary

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



30.1377, 0.3180, 0.3827



23.1166, 0.3059, 0.2781

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.



30.1377, 0.3380, 0.2996



30.1377, 0.3180, 0.3827



30.1377, 0.2751, 0.2751

Square

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



30.1377, 0.3180, 0.3827



30.1377, 0.2516, 0.3009



30.1377, 0.3047, 0.2819



30.1377, 0.3779, 0.3517

Rectangle

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



30.1377, 0.3180, 0.3827



30.1377, 0.2690, 0.3409



30.1377, 0.3047, 0.2819



30.1377, 0.3576, 0.3157

Sweetspot

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



30.1390, 0.3180, 0.3827



58.5584, 0.3144, 0.3438



29.7054, 0.3450, 0.3668



12.8482, 0.3145, 0.3453



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



30.1390, 0.3180, 0.3827



53.5635, 0.3191, 0.3974



29.7303, 0.3031, 0.3698



7.4771, 0.3152, 0.3518



19.9536, 0.3113, 0.5911



0.3748, 0.3386, 0.5694

Inverse Universe

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



23.1166, 0.3059, 0.2781



38.2535, 0.3038, 0.2651



23.6251, 0.3239, 0.2914



6.6712, 0.3100, 0.3067



5.1126, 0.2597, 0.1204



0.1098, 0.2858, 0.1348

Previews

White Background



This preview shows how the Yxy color 30.1377, 0.3180, 0.3827 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 30.1377, 0.3180, 0.3827 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

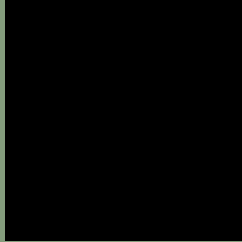
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.1377, 0.3180, 0.3827

Background



This preview shows how black text looks on a background with the Yxy color 30.1377, 0.3180, 0.3827.



This preview shows how white text looks on a background with the Yxy color 30.1377, 0.3180, 0.3827.

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

30.1377, 0.3180, 0.3827

Protanopia

30.1201, 0.3510, 0.3744

Deuteranopia

29.8352, 0.3603, 0.3530



Tritanopia

30.1808, 0.2893, 0.3101

Trichromacy



Original Color

30.1377, 0.3180, 0.3827

Protanomaly

30.2265, 0.3393, 0.3788

Deuteranomaly

29.8543, 0.3441, 0.3635

Tritanomaly

30.1866, 0.2997, 0.3354

Monochromacy



Original Color

30.1377, 0.3180, 0.3827

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

28.8765, 0.3149, 0.3487

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1377, 0.3180, 0.3827 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(132, 156, 124)` looks like.

```
.text, #text, p{  
    color:rgb(132, 156, 124)  
}
```

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(132, 156, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 156, 124) }
```

Border

The CSS property to change the border of an element to Yxy 30.1377, 0.3180, 0.3827 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(132, 156, 124) }
```

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

```
.border{ border-color:rgb(132, 156, 124) }
```

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

Here you see how a box with a 4 pixel rgb(132, 156, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 156, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 156, 124);  
box-shadow:4px 4px 4px 4px rgb(132, 156,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1377, 0.3180, 0.3827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 156, 124) }
```

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

```
.background{ background-color: rgb(132,  
156, 124) }
```

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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