

Converting Colors

$Y_{xy}(29.6000, 0.3204, 0.3885)$

Have a look what the booklet for
Yxy(29.6000, 0.3204, 0.3885)
contains.

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Color

Yxy(29.6241, 0.3208, 0.3883)

Conversions

Conversions Part 1

Format	Color
Hex	839B78
RGB	131, 155, 120
RGB Percent	51%, 61%, 47%
CMY	0.4862, 0.3922, 0.5295
CMYK	0.15, 0.00, 0.23, 0.39
HSL	101°, 15%, 54%
HSV	101°, 23%, 61%
XYZ	24.4744, 29.6241, 22.1933
YIQ	143.8340, -3.0690, -15.9730

Conversions

Conversions Part 2

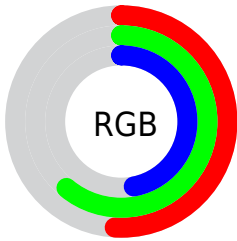
Format	Color
RYB	120, 155, 144
Decimal	8625016
CIELab	61.33, -15.21, 15.62
CIELCh	61, 21.807, 134.241
Yxy	29.6241, 0.3208, 0.3883
Android (android.graphics.Color)	4286815096 (0xFF839B78)
YUV	143.8340, -11.7502, -11.2554
Hunter-Lab	54.4280, -14.9838, 13.9238

Details

The Yxy color $29.6241, 0.3208, 0.3883$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $21.7219, 0.3024, 0.2723$, and the grayscale version is $27.8710, 0.3127, 0.3290$.

A 20% lighter version of the original color is $59.2621, 0.3194, 0.3766$, and $12.1049, 0.3227, 0.4120$ is the 20% darker color. If you saturate the color by 10%, you get $28.4744, 0.3238, 0.4182$, and if you desaturate by 10%, it is $30.9240, 0.3173, 0.3605$.

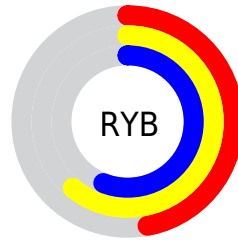
Distribution



Red (51%)

Green (61%)

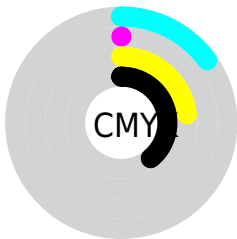
Blue (47%)



Red (47%)

Yellow (61%)

Blue (56%)

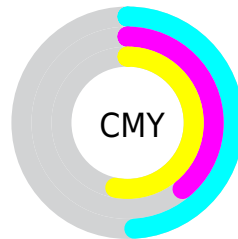


Cyan (15%)

Magenta (0%)

Yellow (23%)

Black (39%)



Cyan (49%)


Magenta (39%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.6241, 0.3208, 0.3883 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 29.6241, 0.3208, 0.3883 by changing the saturation by 10% instead.


 29.6241, 0.3208,
0.3883

 29.6241, 0.3208,
0.3883


300.1483, 0.3170,
0.3555

 19.5534, 0.3216,
0.3977


 59.0672, 0.3195,
0.3755

 12.0709, 0.3225,
0.4106


 79.2084, 0.3190,
0.3710

 6.7920, 0.3235,
0.4294


 103.4753, 0.3185,
0.3673

 3.3323, 0.3239,
0.4591

132.2523, 0.3181,
0.3642

 1.3076, 0.3417,
0.5445

165.9236, 0.3178,
0.3615

 0.1471, 0.0000,
1.0000

204.8739, 0.3175,

 0.0000, 0.0000,

0.3592

0.0000

249.4873, 0.3172,
0.3572

■ 29.6241, 0.3208,
0.3883

■ 29.6241, 0.3208,
0.3883

■ 28.4744, 0.3238,
0.4182

■ 30.9240, 0.3173,
0.3605

■ 27.4657, 0.3262,
0.4496

■ 32.3756, 0.3137,
0.3351

■ 26.5932, 0.3276,
0.4812

■ 33.9851, 0.3100,
0.3124

■ 25.8507, 0.3278,
0.5116

■ 35.7572, 0.3063,
0.2921

■ 25.2312, 0.3265,
0.5389

■ 37.6964, 0.3028,
0.2741

■ 24.7271, 0.3237,
0.5614

■ 39.8071, 0.2994,
0.2582

■ 24.3298, 0.3196,
0.5778

■ 42.0934, 0.2962,
0.2443

■ 24.0920, 0.3163,
0.5870

■ 44.5593, 0.2933,
0.2319

■ 46.9165, 0.2938,
0.2249

Harmonies

Analogous

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



29.6241, 0.3545, 0.3915



29.6241, 0.3208, 0.3883



29.6241, 0.2862, 0.3660

Triad

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



29.6241, 0.3208, 0.3883



29.6241, 0.2510, 0.2786



29.6241, 0.3680, 0.3220

Complementary

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



29.6241, 0.3208, 0.3883



21.7219, 0.3024, 0.2723

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.



29.6241, 0.3375, 0.2957



29.6241, 0.3208, 0.3883



29.6241, 0.2702, 0.2710

Square

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



29.6241, 0.3208, 0.3883



29.6241, 0.2472, 0.3004



29.6241, 0.3014, 0.2774



29.6241, 0.3830, 0.3512

Rectangle

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



29.6241, 0.3208, 0.3883



29.6241, 0.2672, 0.3442



29.6241, 0.3014, 0.2774



29.6241, 0.3592, 0.3126

Sweetspot

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



29.6254, 0.3208, 0.3883



56.7661, 0.3154, 0.3464



28.2438, 0.3493, 0.3672



12.8173, 0.3156, 0.3477



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.



29.6254, 0.3208, 0.3883



52.0071, 0.3224, 0.4029



28.9510, 0.3042, 0.3787



7.0154, 0.3161, 0.3517



19.3700, 0.3169, 0.5866



0.3074, 0.3488, 0.5612

Inverse Universe

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



21.7219, 0.3024, 0.2723



35.3507, 0.2996, 0.2591



22.5550, 0.3226, 0.2839



6.2259, 0.3090, 0.3067



4.3884, 0.2442, 0.1119



0.0847, 0.2799, 0.1315

Previews

White Background



This preview shows how the Yxy color 29.6241, 0.3208, 0.3883 looks on a white background.

Color Contrast Check

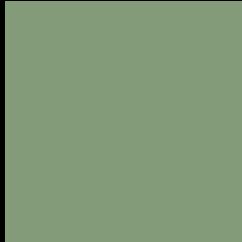
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6241, 0.3208, 0.3883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

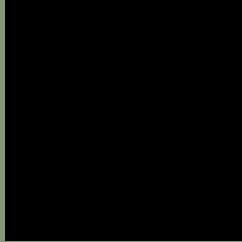
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.6241, 0.3208, 0.3883

Background



This preview shows how black text looks on a background with the Yxy color 29.6241, 0.3208, 0.3883.



This preview shows how white text looks on a background with the Yxy color 29.6241, 0.3208, 0.3883.

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

29.6241, 0.3208, 0.3883

Protanopia

29.2965, 0.3546, 0.3779

Deuteranopia

29.4340, 0.3650, 0.3576



Tritanopia

29.4714, 0.2909, 0.3100

Trichromacy



Original Color

29.6241, 0.3208, 0.3883

Protanomaly

29.3929, 0.3427, 0.3825

Deuteranomaly

29.3405, 0.3474, 0.3685

Tritanomaly

29.3594, 0.3014, 0.3371

Monochromacy



Original Color

29.6241, 0.3208, 0.3883

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

28.4180, 0.3158, 0.3505

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6241, 0.3208, 0.3883 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(131, 155, 120)` looks like.

```
.text, #text, p{  
    color:rgb(131, 155, 120)  
}
```

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(131, 155, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 155, 120) }
```

Border

The CSS property to change the border of an element to Yxy 29.6241, 0.3208, 0.3883 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(131, 155, 120) }
```

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

```
.border{ border-color:rgb(131, 155, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 155, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 155, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 155, 120);  
box-shadow:4px 4px 4px 4px rgb(131, 155,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6241, 0.3208, 0.3883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 155, 120) }
```

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

```
.background{ background-color: rgb(131,  
155, 120) }
```

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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