

Converting Colors

$Yxy(63.9770, 0.3213, 0.3762)$

Have a look what the booklet for
Yxy(63.9770, 0.3213, 0.3762)
contains.

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Color

Yxy(64.1775, 0.3214, 0.3761)

Conversions

Conversions Part 1

Format	Color
Hex	C1D9B2
RGB	193, 217, 178
RGB Percent	76%, 85%, 70%
CMY	0.2431, 0.1490, 0.3019
CMYK	0.11, 0.00, 0.18, 0.15
HSL	97°, 34%, 77%
HSV	97°, 18%, 85%
XYZ	54.8435, 64.1775, 51.6184
YIQ	205.3780, -1.7850, -17.2170

Conversions

Conversions Part 2

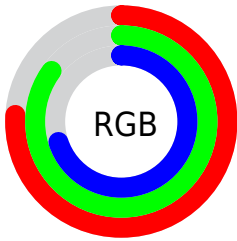
Format	Color
R _Y B	178, 217, 202
Decimal	12704178
CIE Lab	84.06, -15.02, 16.57
CIE LCh	84, 22.364, 132.205
Yxy	64.1775, 0.3214, 0.3761
Android (android.graphics.Color)	4290894258 (0xFFC1D9B2)
YUV	205.3780, -13.4974, -10.8555
Hunter-Lab	80.1109, -17.9937, 17.8748

Details

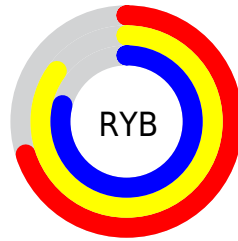
The Yxy color **64.1775, 0.3214, 0.3761** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **49.4087, 0.3024, 0.2830**, and the grayscale version is **61.3949, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7845, 0.3218, 0.3495**, and **32.8103, 0.3232, 0.3889** is the 20% darker color. If you saturate the color by 10%, you get **61.7002, 0.3258, 0.4055**, and if you desaturate by 10%, it is **66.9566, 0.3166, 0.3489**.

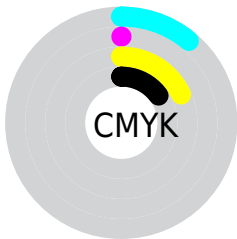
Distribution



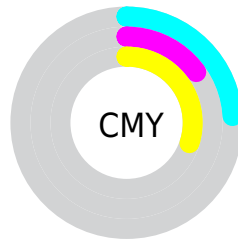
- Red (76%)
- Green (85%)
- Blue (70%)



- Red (70%)
- Yellow (85%)
- Blue (79%)



- Cyan (11%)
- Magenta (0%)
- Yellow (18%)
- Black (15%)




- Cyan (24%)
- Magenta (15%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.1775, 0.3214, 0.3761 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 64.1775, 0.3214, 0.3761 by changing the saturation by 10% instead.

 64.1775, 0.3214,
0.3761

 64.1775, 0.3214,
0.3761


439.8303, 0.3176,
0.3532

 46.7945, 0.3222,
0.3816

 110.8665, 0.3201,
0.3679

 32.8732, 0.3231,
0.3886


140.9413, 0.3196,
0.3648

 22.0293, 0.3243,
0.3976


176.0154, 0.3192,
0.3622

 13.8784, 0.3256,
0.4099

216.4733, 0.3188,
0.3599

 8.0362, 0.3271,
0.4274

262.6994, 0.3184,
0.3579

 4.1181, 0.3286,
0.4542

315.0779, 0.3181,

 1.7398, 0.3342,

0.3562

0.5089

373.9935, 0.3179,
0.3546

0.4493, 0.1182,
0.8818

0.0000, 0.0000,
0.0000

64.1775, 0.3214,
0.3761

64.1775, 0.3214,
0.3761

61.7002, 0.3258,
0.4055

66.9566, 0.3166,
0.3489

59.5057, 0.3297,
0.4364

70.0393, 0.3117,
0.3242

57.5856, 0.3325,
0.4680

73.4379, 0.3069,
0.3020

55.9275, 0.3340,
0.4987

76.5136, 0.3085,
0.2913

■ 54.5184, 0.3338,
0.5268

■ 78.1066, 0.3145,
0.2920

■ 53.3436, 0.3318,
0.5507

■ 52.3863, 0.3280,
0.5688

■ 51.6250, 0.3228,
0.5807

■ 51.4888, 0.3217,
0.5828

Harmonies

Analogous

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



64.1775, 0.3477, 0.3781



64.1775, 0.3214, 0.3761



64.1775, 0.2936, 0.3596

Triad

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



64.1775, 0.3214, 0.3761



64.1775, 0.2626, 0.2899



64.1775, 0.3551, 0.3221

Complementary

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



64.1775, 0.3214, 0.3761



49.4087, 0.3024, 0.2830

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.



64.1775, 0.3306, 0.3010



64.1775, 0.3214, 0.3761



64.1775, 0.2775, 0.2825

Square

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



64.1775, 0.3214, 0.3761



64.1775, 0.2605, 0.3083



64.1775, 0.3021, 0.2868



64.1775, 0.3679, 0.3457

Rectangle

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



64.1775, 0.3214, 0.3761



64.1775, 0.2779, 0.3430



64.1775, 0.3021, 0.2868



64.1775, 0.3480, 0.3146

Sweetspot

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



64.1803, 0.3214, 0.3761



97.7485, 0.3152, 0.3414



59.9281, 0.3426, 0.3563



20.8564, 0.3155, 0.3432



0.0000, 0.0000, 0.0000



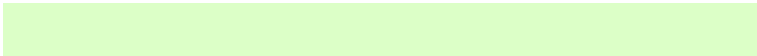
21.4041, 0.3127, 0.3290

Same Dimension

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



64.1803, 0.3214, 0.3761



90.9309, 0.3233, 0.3883



62.4657, 0.3079, 0.3727



14.8492, 0.3173, 0.3528



31.2245, 0.3227, 0.5819



2.0716, 0.3357, 0.5717

Inverse Universe

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



49.4087, 0.3024, 0.2830



65.4138, 0.2995, 0.2714



51.4043, 0.3179, 0.2889



13.0117, 0.3077, 0.3055



6.1381, 0.2269, 0.1024



0.4467, 0.2422, 0.1108

Previews

White Background



This preview shows how the Yxy color 64.1775, 0.3214, 0.3761 looks on a white background.

Color Contrast Check

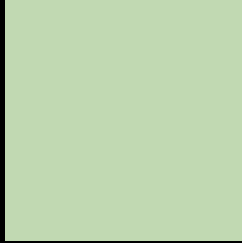
Large Text (above 18pt) WCAG AA × Fail

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 64.1775, 0.3214, 0.3761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

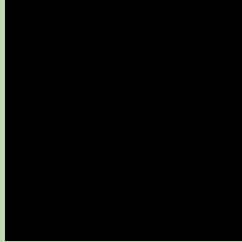
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

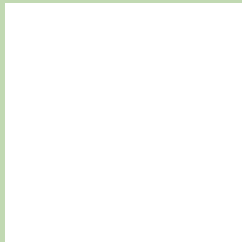
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.1775, 0.3214, 0.3761

Background



This preview shows how black text looks on a background with the Yxy color 64.1775, 0.3214, 0.3761.



This preview shows how white text looks on a background with the Yxy color 64.1775, 0.3214, 0.3761.

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

64.1775, 0.3214, 0.3761

Protanopia

64.0291, 0.3473, 0.3690

Deuteranopia

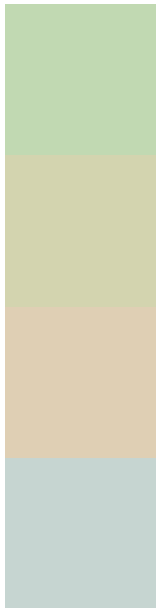
64.1025, 0.3590, 0.3519



Tritanopia

64.0567, 0.2949, 0.3096

Trichromacy



Original Color

64.1775, 0.3214, 0.3761

Protanomaly

64.0310, 0.3380, 0.3722

Deuteranomaly

63.6089, 0.3449, 0.3597

Tritanomaly

64.1977, 0.3045, 0.3336

Monochromacy



Original Color

64.1775, 0.3214, 0.3761

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

61.9586, 0.3165, 0.3456

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.1775, 0.3214, 0.3761 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(193, 217, 178)` looks like.

```
.text, #text, p{  
    color:rgb(193, 217, 178)  
}
```

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(193, 217, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 217, 178) }
```

Border

The CSS property to change the border of an element to Yxy 64.1775, 0.3214, 0.3761 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(193, 217, 178) }
```

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

```
.border{ border-color:rgb(193, 217, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 217, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 217, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 217, 178);  
box-shadow:4px 4px 4px 4px rgb(193, 217,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 64.1775, 0.3214, 0.3761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 217, 178) }
```

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

```
.background{ background-color: rgb(193,  
217, 178) }
```

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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