

# Converting Colors

Yxy(69.5673, 0.3291, 0.3557)

Have a look what the booklet for  
Yxy(69.5673, 0.3291, 0.3557)  
contains.

<b>Yxy(69.6632, 0.3290, 0.3559)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(69.6632, 0.3290, 0.3559)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DBDBC3
RGB	219, 219, 195
RGB Percent	86%, 86%, 76%
CMY	0.1411, 0.1412, 0.2353
CMYK	0.00, 0.00, 0.11, 0.14
HSL	60°, 25%, 81%
HSV	60°, 11%, 86%
XYZ	64.3978, 69.6632, 61.6771
YIQ	216.2640, 7.7040, -7.4640

# Conversions

## Conversions Part 2

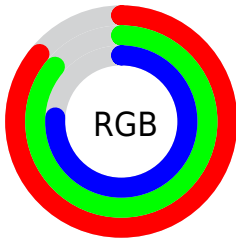
<b>Format</b>	<b>Color</b>
<b>RYB</b>	195, 219, 195
Decimal	14408643
CIELab	86.83, -4.09, 11.81
CIELCh	87, 12.500, 109.086
Yxy	69.6632, 0.3290, 0.3559
Android (android.graphics.Color)	4292598723 (0xFFDBDBC3)
YUV	216.2640, -10.4832, 2.3995
Hunter-Lab	83.4645, -8.3394, 14.6121

# Details

The Yxy color **69.6632, 0.3290, 0.3559** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **55.7502, 0.2955, 0.3006**, and the grayscale version is **68.9303, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8083, 0.3144, 0.3319**, and **36.3665, 0.3332, 0.3629** is the 20% darker color. If you saturate the color by 10%, you get **68.7403, 0.3442, 0.3810**, and if you desaturate by 10%, it is **70.7375, 0.3141, 0.3313**.

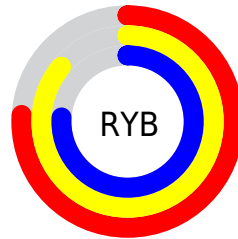
# Distribution



Red (86%)

Green (86%)

Blue (76%)



Red (76%)

Yellow (86%)

Blue (76%)

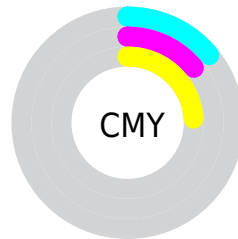


Cyan (0%)

Magenta (0%)

Yellow (11%)

Black (14%)



Cyan (14%)

Magenta (14%)

Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.6632, 0.3290, 0.3559 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 69.6632, 0.3290, 0.3559 by changing the saturation by 10% instead.



■ 69.6632, 0.3290,  
0.3559

■ 69.6632, 0.3290,  
0.3559

459.3666, 0.3215,  
0.3432

■ 51.2520, 0.3307,  
0.3588

118.7283, 0.3264,  
0.3515

■ 36.4092, 0.3329,  
0.3625

150.1511, 0.3254,  
0.3498

■ 24.7504, 0.3356,  
0.3672

186.6798, 0.3245,  
0.3483

■ 15.8912, 0.3391,  
0.3734

228.6988, 0.3237,  
0.3470

■ 9.4472, 0.3439,  
0.3820

276.5926, 0.3231,  
0.3459

■ 5.0340, 0.3507,  
0.3946

330.7456, 0.3225,

■ 2.2672, 0.3612,

0.3449

0.4149

391.5421, 0.3219,  
0.3440

0.7563, 0.4501,  
0.5499

0.0000, 0.0000,  
0.0000

69.6632, 0.3290,  
0.3559

69.6632, 0.3290,  
0.3559

68.7403, 0.3442,  
0.3810

70.7375, 0.3141,  
0.3313

67.9534, 0.3593,  
0.4059

71.9600, 0.2999,  
0.3078

67.2987, 0.3737,  
0.4298

72.9668, 0.2899,  
0.2914

66.7689, 0.3869,  
0.4515

72.9736, 0.2899,  
0.2914

66.3560, 0.3983,  
0.4703

72.9804, 0.2899,  
0.2914

66.0511, 0.4073,  
0.4853

72.9872, 0.2899,  
0.2914

65.8437, 0.4138,  
0.4960

72.9940, 0.2899,  
0.2914

65.7218, 0.4177,  
0.5024

73.0008, 0.2899,  
0.2914

65.6659, 0.4194,  
0.5052

73.0077, 0.2899,  
0.2914

# Harmonies

## Analogous

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



69.6632, 0.3396, 0.3516



69.6632, 0.3290, 0.3559



69.6632, 0.3142, 0.3526

# Triad

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



69.6632, 0.3290, 0.3559



69.6632, 0.2834, 0.3154



69.6632, 0.3260, 0.3160

# Complementary

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



69.6632, 0.3290, 0.3559



55.7502, 0.2955, 0.3006

# 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.



69.6632, 0.3107, 0.3068



69.6632, 0.3290, 0.3559



69.6632, 0.2864, 0.3062

# Square

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



69.6632, 0.3290, 0.3559



69.6632, 0.2881, 0.3287



69.6632, 0.2962, 0.3032



69.6632, 0.3379, 0.3285



# Rectangle

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



69.6632, 0.3290, 0.3559



69.6632, 0.3040, 0.3465



69.6632, 0.2962, 0.3032



69.6632, 0.3210, 0.3124

# Sweetspot

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



69.6663, 0.3290, 0.3559



99.5141, 0.3171, 0.3363



58.0478, 0.3319, 0.3286



21.2730, 0.3183, 0.3383



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.



69.6663, 0.3290, 0.3559



98.0333, 0.3322, 0.3613



67.9350, 0.3204, 0.3566



15.2625, 0.3267, 0.3521



38.9310, 0.4194, 0.5052



2.5226, 0.4194, 0.5052



# Inverse Universe

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



55.7502, 0.2955, 0.3006



74.8993, 0.2919, 0.2946



57.3511, 0.3043, 0.3013



12.6185, 0.2981, 0.3048



3.0349, 0.1500, 0.0600

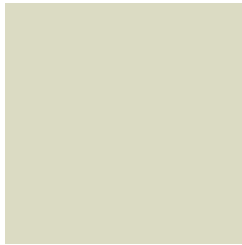


0.1971, 0.1501, 0.0602



# Previews

## White Background



This preview shows how the Yxy color 69.6632, 0.3290, 0.3559 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 69.6632, 0.3290, 0.3559 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

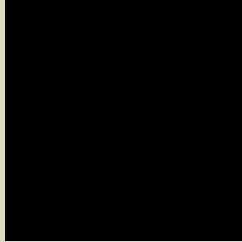
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

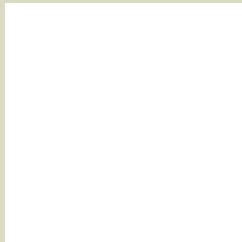
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.6632, 0.3290, 0.3559**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.6632, 0.3290, 0.3559.



This preview shows how white text looks on a background with the Yxy color 69.6632, 0.3290, 0.3559.

# 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

69.6632, 0.3290, 0.3559

### Protanopia

69.8516, 0.3360, 0.3544

### Deuteranopia

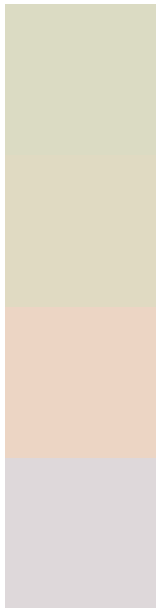
69.7172, 0.3497, 0.3428



## Tritanopia

69.7099, 0.3085, 0.3107

# Trichromacy



## Original Color

69.6632, 0.3290, 0.3559

## Protanomaly

69.8851, 0.3336, 0.3556

## Deuteranomaly

69.4069, 0.3421, 0.3474

## Tritanomaly

69.7033, 0.3157, 0.3268

# Monochromacy



## Original Color

69.6632, 0.3290, 0.3559

## Achromatopsia

68.6685, 0.3127, 0.3290

## Achromatomaly

68.9315, 0.3188, 0.3390

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.6632, 0.3290, 0.3559 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(219, 219, 195) looks like.

```
.text, #text, p{  
    color:rgb(219, 219, 195)  
}
```

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(219, 219, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 219, 195) }
```

## Border

The CSS property to change the border of an element to Yxy 69.6632, 0.3290, 0.3559 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(219, 219, 195) }
```

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

```
.border{ border-color:rgb(219, 219, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 219, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(219, 219, 195); -webkit-box-shadow:4px 4px 4px 4px rgb(219, 219, 195); box-shadow:4px 4px 4px 4px rgb(219, 219, 195) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.6632, 0.3290, 0.3559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 219, 195) }
```

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

```
.background{ background-color: rgb(219,  
219, 195) }
```

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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