

Converting Colors

$Y_{xy}(70.7162, 0.3532, 0.3696)$

Have a look what the booklet for
Yxy(70.7162, 0.3532, 0.3696)
contains.

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Color

Yxy(70.7539, 0.3529, 0.3691)

Conversions

Conversions Part 1

Format	Color
Hex	ECD9B4
RGB	236, 217, 180
RGB Percent	93%, 85%, 71%
CMY	0.0745, 0.1490, 0.2940
CMYK	0.00, 0.08, 0.24, 0.07
HSL	40°, 60%, 82%
HSV	40°, 24%, 93%
XYZ	67.6485, 70.7539, 53.2907
YIQ	218.4630, 23.2010, -7.4790

Conversions

Conversions Part 2

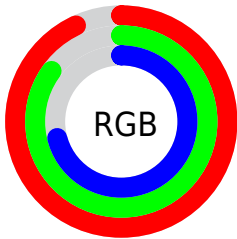
Format	Color
R _Y B	209, 236, 180
Decimal	15522228
CIE Lab	87.37, 0.88, 20.60
CIE LCh	87, 20.621, 87.556
Yxy	70.7539, 0.3529, 0.3691
Android (android.graphics.Color)	4293712308 (0xFFECD9B4)
YUV	218.4630, -18.9623, 15.3799
Hunter-Lab	84.1153, -3.6459, 21.3180

Details

The Yxy color **70.7539, 0.3529, 0.3691** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **56.6335, 0.2741, 0.2854**, and the grayscale version is **70.5731, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8361, 0.3238, 0.3473**, and **37.0763, 0.3630, 0.3783** is the 20% darker color. If you saturate the color by 10%, you get **65.8429, 0.3725, 0.3867**, and if you desaturate by 10%, it is **76.0358, 0.3348, 0.3517**.

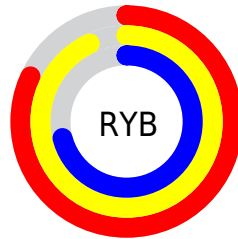
Distribution



Red (93%)

Green (85%)

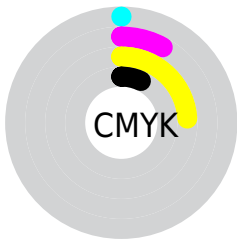
Blue (71%)



Red (82%)

Yellow (93%)

Blue (71%)

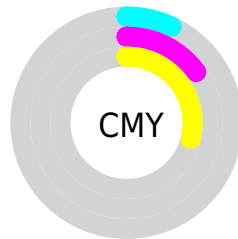


Cyan (0%)

Magenta (8%)

Yellow (24%)

Black (7%)



Cyan (7%)


Magenta (15%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.7539, 0.3529, 0.3691 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 70.7539, 0.3529, 0.3691 by changing the saturation by 10% instead.


 70.7539, 0.3529,
0.3691

 70.7539, 0.3529,
0.3691

463.1927, 0.3342,
0.3505

 52.1414, 0.3572,
0.3733

 120.2832, 0.3464,
0.3627

 37.1178, 0.3624,
0.3785


151.9689, 0.3439,
0.3602

 25.2987, 0.3690,
0.3850


188.7810, 0.3417,
0.3580

 16.2997, 0.3776,
0.3935

231.1040, 0.3399,
0.3561

 9.7365, 0.3892,
0.4048

279.3222, 0.3382,
0.3545

 5.2246, 0.4054,
0.4205

333.8202, 0.3367,

 2.3796, 0.4317,

0.3530

0.4460

394.9822, 0.3354,
0.3517

0.8154, 0.4941,
0.5059

0.0000, 0.0000,
0.0000

70.7539, 0.3529,
0.3691

70.7539, 0.3529,
0.3691

65.8429, 0.3725,
0.3867

76.0358, 0.3348,
0.3517

61.2821, 0.3933,
0.4037

81.6895, 0.3184,
0.3350

57.0628, 0.4147,
0.4194

87.7281, 0.3036,
0.3192

53.1722, 0.4360,
0.4325

92.8448, 0.3012,
0.3231

■ 49.5959, 0.4561,
0.4420

■ 96.5746, 0.3011,
0.3290

■ 46.3181, 0.4739,
0.4468

■ 43.3198, 0.4885,
0.4464

■ 41.5621, 0.4964,
0.4441

Harmonies

Analogous

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



70.7539, 0.3624, 0.3542



70.7539, 0.3529, 0.3691



70.7539, 0.3326, 0.3735

Triad

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



70.7539, 0.3529, 0.3691



70.7539, 0.2694, 0.3214



70.7539, 0.3163, 0.2967

Complementary

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



70.7539, 0.3529, 0.3691



56.6335, 0.2741, 0.2854

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.



70.7539, 0.2917, 0.2880



70.7539, 0.3529, 0.3691



70.7539, 0.2654, 0.3011

Square

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



70.7539, 0.3529, 0.3691



70.7539, 0.2846, 0.3451



70.7539, 0.2733, 0.2893



70.7539, 0.3408, 0.3131

Rectangle

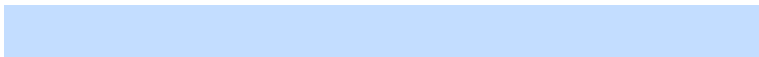
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.7539, 0.3529, 0.3691



70.7539, 0.3161, 0.3691



70.7539, 0.2733, 0.2893



70.7539, 0.3078, 0.2928

Sweetspot

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



70.7571, 0.3529, 0.3691



95.0959, 0.3237, 0.3404



54.6451, 0.3450, 0.3075



20.2662, 0.3246, 0.3415



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.



70.7571, 0.3529, 0.3691



81.7159, 0.3613, 0.3768



79.7245, 0.3425, 0.3894



16.7153, 0.3276, 0.3445



23.1569, 0.4948, 0.4453



1.9954, 0.4817, 0.4557

Inverse Universe

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



56.6335, 0.2741, 0.2854



62.3996, 0.2664, 0.2760



49.4610, 0.2784, 0.2632



15.3852, 0.2980, 0.3130



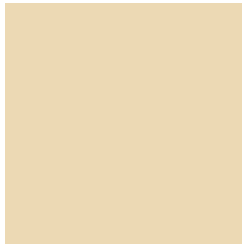
6.7284, 0.1638, 0.1098



0.7008, 0.1715, 0.1374

Previews

White Background



This preview shows how the Yxy color 70.7539, 0.3529, 0.3691 looks on a white background.

Color Contrast Check

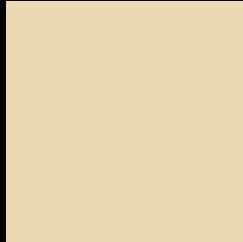
Large Text (above 18pt) WCAG AA × Fail

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 70.7539, 0.3529, 0.3691 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

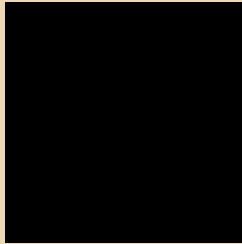
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.7539, 0.3529, 0.3691

Background



This preview shows how black text looks on a background with the Yxy color 70.7539, 0.3529, 0.3691.



This preview shows how white text looks on a background with the Yxy color 70.7539, 0.3529, 0.3691.

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

70.7539, 0.3529, 0.3691

Protanopia

70.4679, 0.3481, 0.3696

Deuteranopia

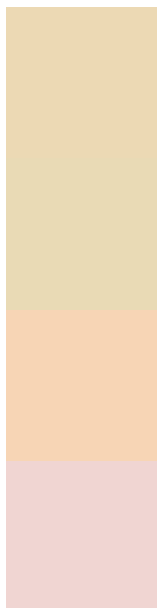
70.8074, 0.3671, 0.3603



Tritanopia

70.5165, 0.3247, 0.3114

Trichromacy



Original Color

70.7539, 0.3529, 0.3691

Protanomaly

70.8026, 0.3496, 0.3694

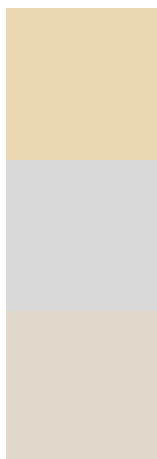
Deuteranomaly

70.6989, 0.3618, 0.3629

Tritanomaly

70.7669, 0.3350, 0.3322

Monochromacy



Original Color

70.7539, 0.3529, 0.3691

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

70.5100, 0.3274, 0.3444

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7539, 0.3529, 0.3691 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(236, 217, 180)` looks like.

```
.text, #text, p{  
    color:rgb(236, 217, 180)  
}
```

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(236, 217, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 217, 180) }
```

Border

The CSS property to change the border of an element to Yxy 70.7539, 0.3529, 0.3691 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(236, 217, 180) }
```

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

```
.border{ border-color:rgb(236, 217, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 217, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 217, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 217, 180);  
box-shadow:4px 4px 4px 4px rgb(236, 217,  
180) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 70.7539, 0.3529, 0.3691$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 217, 180) }
```

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

```
.background{ background-color: rgb(236,  
217, 180) }
```

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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