

Converting Colors

$Yxy(69.6826, 0.3712, 0.4491)$

Have a look what the booklet for
Yxy(69.6826, 0.3712, 0.4491)
contains.

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Color

Yxy(69.7217, 0.3715, 0.4490)

Conversions

Conversions Part 1

Format	Color
Hex	D4E277
RGB	212, 226, 119
RGB Percent	83%, 89%, 47%
CMY	0.1685, 0.1138, 0.5333
CMYK	0.06, 0.00, 0.47, 0.11
HSL	68°, 65%, 68%
HSV	68°, 47%, 89%
XYZ	57.6873, 69.7217, 27.8732
YIQ	209.6160, 26.0030, -36.2450

Conversions

Conversions Part 2

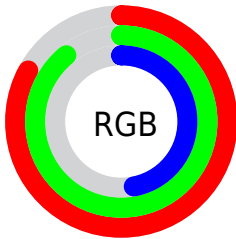
Format	Color
RYB	119, 226, 133
Decimal	13951607
CIELab	86.86, -20.03, 50.35
CIElCh	87, 54.191, 111.690
Yxy	69.7217, 0.3715, 0.4490
Android (android.graphics.Color)	4292141687 (0xFFD4E277)
YUV	209.6160, -44.6737, 2.0908
Hunter-Lab	83.4995, -22.8038, 38.6579

Details

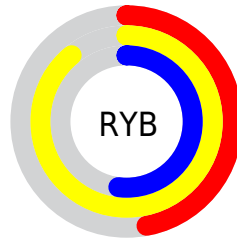
The Yxy color **69.7217, 0.3715, 0.4490** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **23.6710, 0.2332, 0.1841**, and the grayscale version is **64.4760, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7971, 0.3614, 0.4095**, and **36.4996, 0.3807, 0.4776** is the 20% darker color. If you saturate the color by 10%, you get **68.8107, 0.3812, 0.4714**, and if you desaturate by 10%, it is **70.7761, 0.3602, 0.4244**.

Distribution



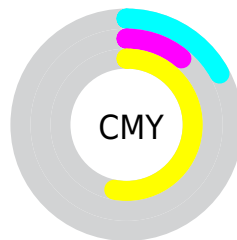
- Red (83%)
- Green (89%)
- Blue (47%)



- Red (47%)
- Yellow (89%)
- Blue (52%)



- Cyan (6%)
- Magenta (0%)
- Yellow (47%)
- Black (11%)





- Cyan (17%)
- Magenta (11%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.7217, 0.3715, 0.4490 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 69.7217, 0.3715, 0.4490 by changing the saturation by 10% instead.


 69.7217, 0.3715,
0.4490


 69.7217, 0.3715,
0.4490

459.5722, 0.3466,
0.3924


 51.2997, 0.3763,
0.4618


 118.8118, 0.3635,
0.4294

 36.4472, 0.3816,
0.4773


 150.2487, 0.3602,
0.4217

 24.7797, 0.3872,
0.4965


 186.7926, 0.3573,
0.4151

 15.9130, 0.3928,
0.5203

228.8280, 0.3547,
0.4094

 9.4626, 0.3965,
0.5498

276.7393, 0.3523,
0.4043

 5.0442, 0.4025,
0.5975

330.9108, 0.3502,

 2.2732, 0.3756,

0.3999

0.6244

391.7270, 0.3483,
0.3959

0.7595, 0.2347,
0.7653

0.0000, 0.0000,
0.0000

69.7217, 0.3715,
0.4490

69.7217, 0.3715,
0.4490

68.8107, 0.3812,
0.4714

70.7761, 0.3602,
0.4244

68.0243, 0.3888,
0.4905


71.9729, 0.3478,
0.3986


67.3550, 0.3939,
0.5056


73.3229, 0.3349,
0.3725


66.7906, 0.3964,
0.5161

74.8333, 0.3220,
0.3470

 66.3144, 0.3964,
0.5223


 76.5107, 0.3094,
0.3226

 66.1953, 0.3962,
0.5236

 78.3615, 0.2974,
0.2998

 78.8776, 0.2991,
0.2996

 79.3768, 0.3010,
0.2997

 79.8843, 0.3030,
0.2999

Harmonies

Analogous

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



69.7217, 0.4224, 0.4217



69.7217, 0.3715, 0.4490



69.7217, 0.3078, 0.4382

Triad

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



69.7217, 0.3715, 0.4490



69.7217, 0.1962, 0.2614



69.7217, 0.3741, 0.2795

Complementary

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



69.7217, 0.3715, 0.4490



23.6710, 0.2332, 0.1841

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.



69.7217, 0.3064, 0.2449



69.7217, 0.3715, 0.4490



69.7217, 0.2092, 0.2322

Square

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



69.7217, 0.3715, 0.4490



69.7217, 0.2093, 0.3162



69.7217, 0.2472, 0.2278



69.7217, 0.4272, 0.3255

Rectangle

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



69.7217, 0.3715, 0.4490



69.7217, 0.2668, 0.4064



69.7217, 0.2472, 0.2278



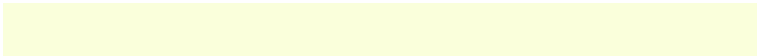
69.7217, 0.3519, 0.2663

Sweetspot

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



69.7249, 0.3715, 0.4490



97.0380, 0.3307, 0.3641



33.8656, 0.4354, 0.3439



20.6806, 0.3335, 0.3697



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.



69.7249, 0.3715, 0.4490



90.4790, 0.3813, 0.4715



63.1972, 0.3323, 0.4664



15.9342, 0.3247, 0.3523



37.8040, 0.3966, 0.5233



2.6459, 0.4003, 0.5203

Inverse Universe

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



23.6710, 0.2332, 0.1841



22.9326, 0.2132, 0.1501



28.9997, 0.2786, 0.2003



13.3285, 0.3001, 0.3049



3.3141, 0.1551, 0.0628



0.2579, 0.1662, 0.0689

Previews

White Background



This preview shows how the Yxy color 69.7217, 0.3715, 0.4490 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 69.7217, 0.3715, 0.4490 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 69.7217, 0.3715, 0.4490

Background



This preview shows how black text looks on a background with the Yxy color 69.7217, 0.3715, 0.4490.

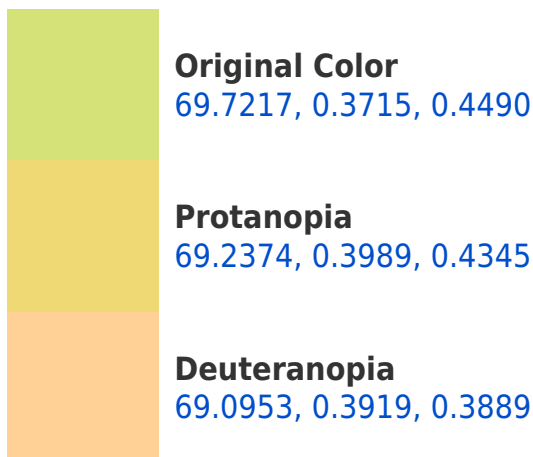


This preview shows how white text looks on a background with the Yxy color 69.7217, 0.3715, 0.4490.

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





Tritanopia

69.3092, 0.3099, 0.3108

Trichromacy



Original Color

69.7217, 0.3715, 0.4490

Protanomaly

69.1288, 0.3888, 0.4398

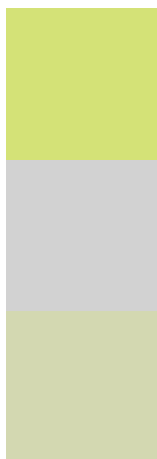
Deuteranomaly

68.8157, 0.3850, 0.4104

Tritanomaly

69.0762, 0.3333, 0.3605

Monochromacy



Original Color

69.7217, 0.3715, 0.4490

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

66.1349, 0.3359, 0.3742

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.7217, 0.3715, 0.4490 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(212, 226, 119)` looks like.

```
.text, #text, p{  
    color:rgb(212, 226, 119)  
}
```

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(212, 226, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 226, 119) }
```

Border

The CSS property to change the border of an element to Yxy 69.7217, 0.3715, 0.4490 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(212, 226, 119) }
```

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

```
.border{ border-color:rgb(212, 226, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 226, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(212, 226, 119); -webkit-box-shadow:4px 4px 4px 4px rgb(212, 226, 119); box-shadow:4px 4px 4px 4px rgb(212, 226, 119) }
```


Background

The CSS property to change the background color of an element to Yxy 69.7217, 0.3715, 0.4490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 226, 119) }
```

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

```
.background{ background-color: rgb(212,  
226, 119) }
```

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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