

Converting Colors

$Yxy(51.7506, 0.4113, 0.4650)$

Have a look what the booklet for
Yxy(51.7506, 0.4113, 0.4650)
contains.

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Color

Yxy(51.7296, 0.4112, 0.4655)

Conversions

Conversions Part 1

Format	Color
Hex	CEC148
RGB	206, 193, 72
RGB Percent	81%, 76%, 28%
CMY	0.1921, 0.2431, 0.7178
CMYK	0.00, 0.06, 0.65, 0.19
HSL	54°, 58%, 55%
HSV	54°, 65%, 81%
XYZ	45.6954, 51.7296, 13.7020
YIQ	183.0930, 46.5890, -34.8750

Conversions

Conversions Part 2

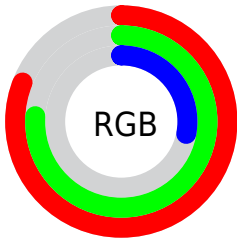
Format	Color
RYB	86, 206, 72
Decimal	13549896
CIELab	77.12, -9.68, 60.33
CIELCh	77, 61.098, 99.116
Yxy	51.7296, 0.4112, 0.4655
Android (android.graphics.Color)	4291739976 (0xFFCEC148)
YUV	183.0930, -54.7688, 20.0894
Hunter-Lab	71.9233, -12.4584, 39.0511

Details

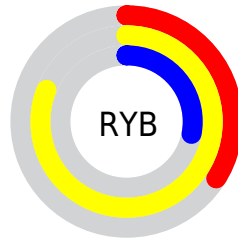
The Yxy color **51.7296, 0.4112, 0.4655** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted yellow. A complement of this color would be **12.3281, 0.1911, 0.1381**, and the grayscale version is **47.6955, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.5177, 0.3896, 0.4471**, and **25.0652, 0.4277, 0.4958** is the 20% darker color. If you saturate the color by 10%, you get **50.6285, 0.4220, 0.4780**, and if you desaturate by 10%, it is **52.9375, 0.3982, 0.4491**.

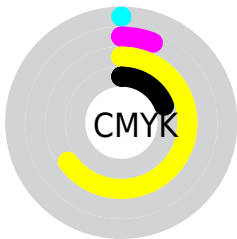
Distribution



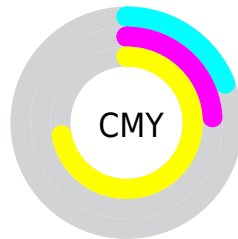
- Red (81%)
- Green (76%)
- Blue (28%)



- Red (34%)
- Yellow (81%)
- Blue (28%)



- Cyan (0%)
- Magenta (6%)
- Yellow (65%)
- Black (19%)




- Cyan (19%)
- Magenta (24%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.7296, 0.4112, 0.4655 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 51.7296, 0.4112, 0.4655 by changing the saturation by 10% instead.


 51.7296, 0.4112,
0.4655

 51.7296, 0.4112,
0.4655


393.3918, 0.3675,
0.4012


 36.7896, 0.4195,
0.4792


 92.7323, 0.3971,
0.4437

 25.0446, 0.4285,
0.4951


 119.5639, 0.3913,
0.4350


 16.1103, 0.4375,
0.5131


 151.1280, 0.3861,
0.4275

 9.6022, 0.4485,
0.5371

 187.8091, 0.3815,
0.4209

 5.1360, 0.4474,
0.5526

 229.9917, 0.3774,
0.4151

 2.3273, 0.4350,
0.5650

278.0601, 0.3738,

 0.7881, 0.3942,

0.4099

0.6058

332.3987, 0.3705,
0.4053

0.0000, 0.0000,
0.0000

51.7296, 0.4112,
0.4655

51.7296, 0.4112,
0.4655

50.6285, 0.4220,
0.4780

52.9375, 0.3982,
0.4491

49.6176, 0.4301,
0.4862

54.2532, 0.3834,
0.4297

48.6876, 0.4355,
0.4899

55.6863, 0.3677,
0.4082

48.2479, 0.4376,
0.4908

57.2434, 0.3516,
0.3855

58.9306, 0.3356,
0.3626

■ 60.7534, 0.3202,
0.3401

■ 62.7172, 0.3056,
0.3185

■ 64.8269, 0.2921,
0.2981

■ 66.9327, 0.2810,
0.2815

Harmonies

Analogous

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



51.7296, 0.4631, 0.4158



51.7296, 0.4112, 0.4655



51.7296, 0.3370, 0.4800

Triad

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



51.7296, 0.4112, 0.4655



51.7296, 0.1749, 0.2682



51.7296, 0.3531, 0.2493

Complementary

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



51.7296, 0.4112, 0.4655



12.3281, 0.1911, 0.1381

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.



51.7296, 0.2710, 0.2166



51.7296, 0.4112, 0.4655



51.7296, 0.1780, 0.2214

Square

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



51.7296, 0.4112, 0.4655



51.7296, 0.2024, 0.3471



51.7296, 0.2102, 0.2059



51.7296, 0.4318, 0.2985

Rectangle

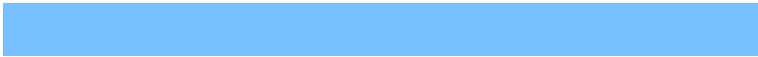
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.7296, 0.4112, 0.4655



51.7296, 0.2849, 0.4562



51.7296, 0.2102, 0.2059



51.7296, 0.3245, 0.2362

Sweetspot

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



51.7320, 0.4112, 0.4655



94.0214, 0.3439, 0.3745



18.4169, 0.5029, 0.3147



19.9601, 0.3484, 0.3810



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.



51.7320, 0.4112, 0.4655



81.3600, 0.4255, 0.4817



51.3306, 0.3565, 0.5046



12.9033, 0.3268, 0.3497



29.7843, 0.4373, 0.4910



1.5918, 0.4334, 0.4941

Inverse Universe

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



12.3281, 0.1911, 0.1381



13.1514, 0.1692, 0.1001



13.4925, 0.2308, 0.1415



11.0162, 0.2982, 0.3074



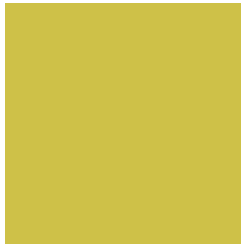
3.1173, 0.1520, 0.0673



0.2222, 0.1581, 0.0891

Previews

White Background



This preview shows how the Yxy color 51.7296, 0.4112, 0.4655 looks on a white background.

Color Contrast Check

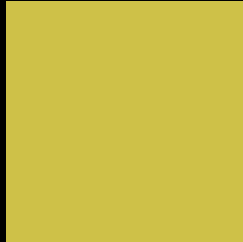
Large Text (above 18pt) WCAG AA × Fail

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 51.7296, 0.4112, 0.4655 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 51.7296, 0.4112, 0.4655

Background



This preview shows how black text looks on a background with the Yxy color 51.7296, 0.4112, 0.4655.



This preview shows how white text looks on a background with the Yxy color 51.7296, 0.4112, 0.4655.

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

51.7296, 0.4112, 0.4655

Protanopia

51.8627, 0.4194, 0.4608

Deuteranopia

51.5741, 0.4458, 0.4358



Tritanopia

51.7396, 0.3324, 0.3127

Trichromacy



Original Color

51.7296, 0.4112, 0.4655

Protanomaly

51.8558, 0.4160, 0.4633

Deuteranomaly

51.3747, 0.4335, 0.4456

Tritanomaly

51.0461, 0.3661, 0.3715

Monochromacy



Original Color

51.7296, 0.4112, 0.4655

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

48.6002, 0.3513, 0.3862

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.7296, 0.4112, 0.4655 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(206, 193, 72)` looks like.

```
.text, #text, p{  
    color:rgb(206, 193, 72)  
}
```

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(206, 193, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 193, 72) }
```

Border

The CSS property to change the border of an element to Yxy 51.7296, 0.4112, 0.4655 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(206, 193, 72) }
```

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

```
.border{ border-color:rgb(206, 193, 72) }
```

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

Here you see how a box with a 4 pixel rgb(206, 193, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 193, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 193, 72);  
box-shadow:4px 4px 4px 4px rgb(206, 193,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 51.7296, 0.4112, 0.4655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 193, 72) }
```

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

```
.background{ background-color: rgb(206,  
193, 72) }
```

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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