

Converting Colors

$Y_{xy}(81.2776, 0.4070, 0.4510)$

Have a look what the booklet for
Yxy(81.2776, 0.4070, 0.4510)
contains.

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Color

Yxy(81.1462, 0.4074, 0.4512)

Conversions

Conversions Part 1

Format	Color
Hex	FFEA6A
RGB	255, 234, 106
RGB Percent	100%, 92%, 42%
CMY	0.0000, 0.0824, 0.5844
CMYK	0.00, 0.08, 0.58, 0.00
HSL	52°, 100%, 71%
HSV	52°, 58%, 100%
XYZ	73.2690, 81.1462, 25.4301
YIQ	225.6870, 53.6040, -35.3560

Conversions

Conversions Part 2

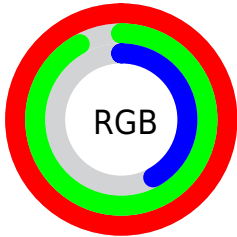
Format	Color
RYB	130, 255, 106
Decimal	16771690
CIELab	92.20, -7.91, 63.38
CIELCh	92, 63.871, 97.114
Yxy	81.1462, 0.4074, 0.4512
Android (android.graphics.Color)	4294961770 (0xFFFFEA6A)
YUV	225.6870, -59.0057, 25.7075
Hunter-Lab	90.0812, -12.4562, 46.3191

Details

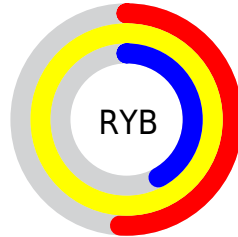
The Yxy color **81.1462, 0.4074, 0.4512** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **25.4562, 0.2039, 0.1643**, and the grayscale version is **76.2184, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3532, 0.3683, 0.4210**, and **44.0813, 0.4223, 0.4746** is the 20% darker color. If you saturate the color by 10%, you get **78.6669, 0.4211, 0.4658**, and if you desaturate by 10%, it is **83.8246, 0.3919, 0.4333**.

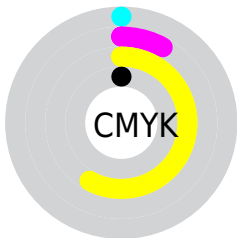
Distribution



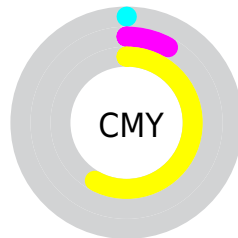
- Red (100%)
- Green (92%)
- Blue (42%)



- Red (51%)
- Yellow (100%)
- Blue (42%)



- Cyan (0%)
- Magenta (8%)
- Yellow (58%)
- Black (0%)




- Cyan (0%)
- Magenta (8%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.1462, 0.4074, 0.4512 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 81.1462, 0.4074, 0.4512 by changing the saturation by 10% instead.


 81.1462, 0.4074,
0.4512


 81.1462, 0.4074,
0.4512


498.7873, 0.3679,
0.3980


 60.6620, 0.4149,
0.4619


 134.9760, 0.3948,
0.4338

 43.9525, 0.4233,
0.4743


 169.0905, 0.3896,
0.4267

 30.6331, 0.4324,
0.4885


 208.5171, 0.3849,
0.4204

 20.3197, 0.4418,
0.5044

 253.6404, 0.3808,
0.4149

 12.6276, 0.4508,
0.5221

304.8446, 0.3770,
0.4100

 7.1726, 0.4583,
0.5417

362.5142, 0.3737,

 3.5703, 0.4505,

0.4055

427.0337, 0.3706,
0.4016

0.5495

■ 1.4362, 0.4372,
0.5628

■ 0.2432, 0.1353,
0.8647

■ 81.1462, 0.4074,
0.4512

■ 81.1462, 0.4074,
0.4512

■ 78.6669, 0.4211,
0.4658

■ 83.8246, 0.3919,
0.4333

■ 76.3721, 0.4323,
0.4761

■ 86.7152, 0.3754,
0.4129


■ 74.2444, 0.4407,
0.4818

■ 89.8295, 0.3584,
0.3911

■ 72.2597, 0.4464,
0.4831

■ 93.1781, 0.3417,
0.3689

 71.9577, 0.4471,
0.4832

 96.7710, 0.3256,
0.3469

100.0000, 0.3127,
0.3290

Harmonies

Analogous

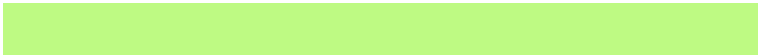
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.1462, 0.4515, 0.4065



81.1462, 0.4074, 0.4512



81.1462, 0.3410, 0.4647

Triad

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



81.1462, 0.4074, 0.4512



81.1462, 0.1874, 0.2790



81.1462, 0.3444, 0.2537

Complementary

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



81.1462, 0.4074, 0.4512



25.4562, 0.2039, 0.1643

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.



81.1462, 0.2709, 0.2246



81.1462, 0.4074, 0.4512



81.1462, 0.1882, 0.2334

Square

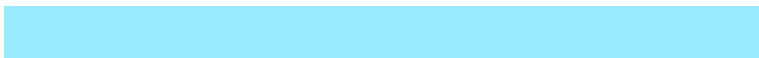
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.1462, 0.4074, 0.4512



81.1462, 0.2154, 0.3513



81.1462, 0.2165, 0.2165



81.1462, 0.4159, 0.2986

Rectangle

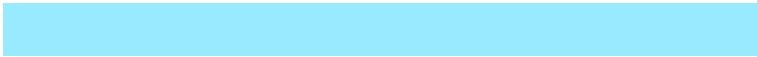
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.1462, 0.4074, 0.4512



81.1462, 0.2933, 0.4452



81.1462, 0.2165, 0.2165



81.1462, 0.3187, 0.2419

Sweetspot

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



81.1462, 0.4074, 0.4512



93.3308, 0.3410, 0.3679



33.1311, 0.4670, 0.3076



19.7621, 0.3458, 0.3744



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

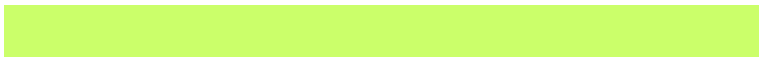
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.1462, 0.4074, 0.4512



78.2970, 0.4230, 0.4677



85.2346, 0.3598, 0.4872



20.6285, 0.3273, 0.3492



37.7672, 0.4466, 0.4836



3.7919, 0.4430, 0.4864

Inverse Universe

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



25.4562, 0.2039, 0.1643



18.2118, 0.1832, 0.1294



24.8068, 0.2339, 0.1555



17.7905, 0.2979, 0.3079



4.5542, 0.1531, 0.0710



0.5623, 0.1576, 0.0872

Previews

White Background



This preview shows how the Yxy color 81.1462, 0.4074, 0.4512 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 81.1462, 0.4074, 0.4512 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 81.1462, 0.4074, 0.4512

Background



This preview shows how black text looks on a background with the Yxy color 81.1462, 0.4074, 0.4512.



This preview shows how white text looks on a background with the Yxy color 81.1462, 0.4074, 0.4512.

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

81.1462, 0.4074, 0.4512

Protanopia

81.1765, 0.3943, 0.4298

Deuteranopia

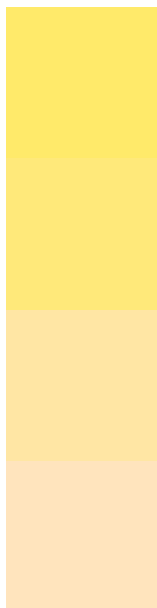
80.7780, 0.3528, 0.3605



Tritanopia

81.1666, 0.3266, 0.3182

Trichromacy



Original Color

81.1462, 0.4074, 0.4512

Protanomaly

80.9430, 0.3995, 0.4376

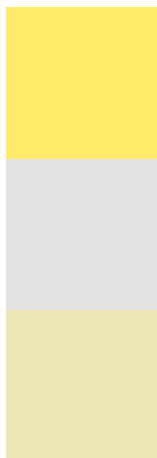
Deuteranomaly

80.5340, 0.3748, 0.3959

Tritanomaly

80.4209, 0.3583, 0.3687

Monochromacy



Original Color

81.1462, 0.4074, 0.4512

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

77.4205, 0.3495, 0.3791

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.1462, 0.4074, 0.4512 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(255, 234, 106)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 106)  
}
```

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(255, 234, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 106) }
```

Border

The CSS property to change the border of an element to Yxy 81.1462, 0.4074, 0.4512 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(255, 234, 106) }
```

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

```
.border{ border-color:rgb(255, 234, 106) }
```

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

Here you see how a box with a 4 pixel rgb(255, 234, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 106);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 81.1462, 0.4074, 0.4512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 106) }
```

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

```
.background{ background-color: rgb(255,  
234, 106) }
```

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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