

Converting Colors

$Yxy(93.4521, 0.4648, 0.4293)$

Have a look what the booklet for
Yxy(93.4521, 0.4648, 0.4293)
contains.

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Color

Yxy(78.0889, 0.4166, 0.4567)

Conversions

Conversions Part 1

Format	Color
Hex	FFE55D
RGB	255, 229, 93
RGB Percent	100%, 90%, 36%
CMY	0.0000, 0.1019, 0.6355
CMYK	0.00, 0.10, 0.64, 0.00
HSL	50°, 100%, 68%
HSV	50°, 64%, 100%
XYZ	71.2324, 78.0889, 21.6638
YIQ	221.2700, 59.1520, -36.7840

Conversions

Conversions Part 2

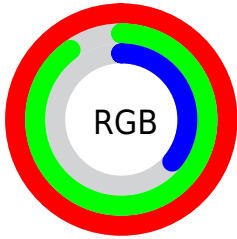
Format	Color
RYB	124, 255, 93
Decimal	16770397
CIELab	90.82, -6.27, 67.41
CIElCh	91, 67.705, 95.309
Yxy	78.0889, 0.4166, 0.4567
Android (android.graphics.Color)	4294960477 (0xFFFFE55D)
YUV	221.2700, -63.2371, 29.5812
Hunter-Lab	88.3679, -10.7570, 47.3223

Details

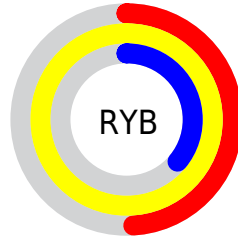
The Yxy color **78.0889, 0.4166, 0.4567** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **22.7253, 0.1952, 0.1522**, and the grayscale version is **72.9271, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9181, 0.3756, 0.4329**, and **41.9897, 0.4333, 0.4797** is the 20% darker color. If you saturate the color by 10%, you get **75.4772, 0.4297, 0.4689**, and if you desaturate by 10%, it is **80.9119, 0.4014, 0.4406**.

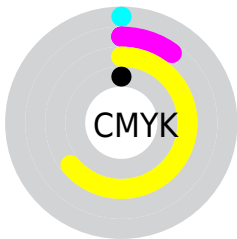
Distribution



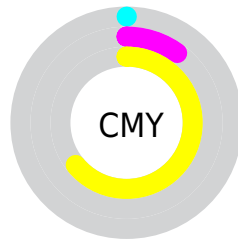
- Red (100%)
- Green (90%)
- Blue (36%)



- Red (49%)
- Yellow (100%)
- Blue (36%)



- Cyan (0%)
- Magenta (10%)
- Yellow (64%)
- Black (0%)





- Cyan (0%)
- Magenta (10%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.0889, 0.4166, 0.4567 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 78.0889, 0.4166, 0.4567 by changing the saturation by 10% instead.

 78.0889, 0.4166,
0.4567


 78.0889, 0.4166,
0.4567


488.4687, 0.3733,
0.4016


 58.1470, 0.4246,
0.4675


 130.6754, 0.4030,
0.4389


 41.9268, 0.4335,
0.4798


 164.0889, 0.3972,
0.4316

 29.0440, 0.4429,
0.4935

 202.7616, 0.3921,
0.4251

 19.1141, 0.4522,
0.5083

 247.0780, 0.3876,
0.4193

 11.7528, 0.4636,
0.5271

297.4226, 0.3835,
0.4142

 6.5756, 0.4637,
0.5363

354.1796, 0.3797,

 3.1981, 0.4572,

0.4096

0.5428

417.7335, 0.3764,
0.4054

■ 1.2360, 0.4457,
0.5543

■ 0.0908, 0.0000,
1.0000

■ 78.0889, 0.4166,
0.4567

■ 78.0889, 0.4166,
0.4567

■ 75.4772, 0.4297,
0.4689

■ 80.9119, 0.4014,
0.4406

■ 73.0496, 0.4402,
0.4767

■ 83.9489, 0.3848,
0.4217

■ 70.7904, 0.4478,
0.4797

■ 87.2160, 0.3676,
0.4009

■ 69.4037, 0.4515,
0.4797

■ 90.7244, 0.3504,
0.3792

 94.4845, 0.3338,
0.3574

 98.5059, 0.3180,
0.3363

99.9991, 0.3127,
0.3290

Harmonies

Analogous

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



78.0889, 0.4624, 0.4068



78.0889, 0.4166, 0.4567



78.0889, 0.3465, 0.4758

Triad

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



78.0889, 0.4166, 0.4567



78.0889, 0.1805, 0.2787



78.0889, 0.3414, 0.2465

Complementary

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



78.0889, 0.4166, 0.4567



22.7253, 0.1952, 0.1522

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.



78.0889, 0.2636, 0.2171



78.0889, 0.4166, 0.4567



78.0889, 0.1798, 0.2288

Square

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



78.0889, 0.4166, 0.4567



78.0889, 0.2115, 0.3578



78.0889, 0.2077, 0.2098



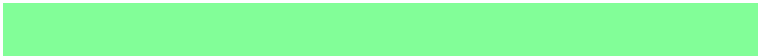
78.0889, 0.4195, 0.2930

Rectangle

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



78.0889, 0.4166, 0.4567



78.0889, 0.2956, 0.4578



78.0889, 0.2077, 0.2098



78.0889, 0.3139, 0.2345

Sweetspot

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



78.0926, 0.4166, 0.4567



92.4053, 0.3428, 0.3693



30.4359, 0.4851, 0.3042



19.5513, 0.3476, 0.3755



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.



78.0926, 0.4166, 0.4567



74.8675, 0.4326, 0.4713



84.7218, 0.3637, 0.4984



20.5653, 0.3273, 0.3488



36.4517, 0.4508, 0.4802



3.6761, 0.4466, 0.4836

Inverse Universe

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



22.7253, 0.1952, 0.1522



15.9213, 0.1750, 0.1169



21.2416, 0.2234, 0.1396



17.8481, 0.2979, 0.3084



4.7355, 0.1537, 0.0734



0.5893, 0.1586, 0.0908

Previews

White Background



This preview shows how the Yxy color 78.0889, 0.4166, 0.4567 looks on a white background.

Color Contrast Check

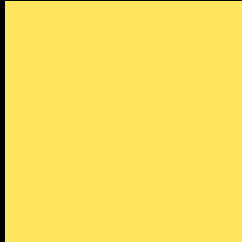
Large Text (above 18pt) WCAG AA × Fail

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 78.0889, 0.4166, 0.4567 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 78.0889, 0.4166, 0.4567

Background



This preview shows how black text looks on a background with the Yxy color 78.0889, 0.4166, 0.4567.



This preview shows how white text looks on a background with the Yxy color 78.0889, 0.4166, 0.4567.

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

78.0889, 0.4166, 0.4567

Protanopia

78.0889, 0.4166, 0.4567

Deuteranopia

78.0320, 0.3629, 0.3699



Tritanopia

78.2159, 0.3305, 0.3181

Trichromacy



Original Color

78.0889, 0.4166, 0.4567

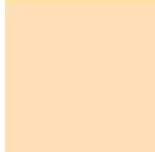
Protanomaly

78.0889, 0.4166, 0.4567



Deuteranomaly

77.8871, 0.3849, 0.4050



Tritanomaly

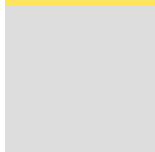
77.3715, 0.3653, 0.3720

Monochromacy



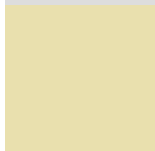
Original Color

78.0889, 0.4166, 0.4567



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

73.6909, 0.3531, 0.3832

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.0889, 0.4166, 0.4567 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, 229, 93)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 93)  
}
```

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, 229, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 93) }
```

Border

The CSS property to change the border of an element to Yxy 78.0889, 0.4166, 0.4567 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, 229, 93) }
```

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

```
.border{ border-color:rgb(255, 229, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 229, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 93);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
93) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 78.0889, 0.4166, 0.4567$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 93) }
```

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

```
.background{ background-color: rgb(255,  
229, 93) }
```

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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