

Converting Colors

$Y_{xy}(100.0000, 0.4376, 0.4636)$

Have a look what the booklet for
Yxy(100.0000, 0.4376, 0.4636)
contains.

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Color

Yxy(91.4166, 0.4086, 0.4827)

Conversions

Conversions Part 1

Format	Color
Hex	FFFC4D
RGB	255, 252, 77
RGB Percent	100%, 99%, 30%
CMY	0.0001, 0.0117, 0.6980
CMYK	0.00, 0.01, 0.70, 0.00
HSL	59°, 100%, 65%
HSV	59°, 70%, 100%
XYZ	77.3831, 91.4166, 20.5863
YIQ	232.9470, 57.9630, -53.7890

Conversions

Conversions Part 2

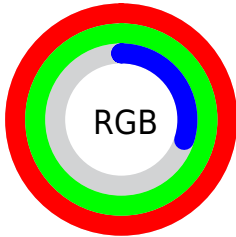
Format	Color
RYB	80, 255, 77
Decimal	16776269
CIELab	96.58, -18.38, 79.32
CIELCh	97, 81.419, 103.049
Yxy	91.4166, 0.4086, 0.4827
Android (android.graphics.Color)	4294966349 (0xFFFFFC4D)
YUV	232.9470, -76.8819, 19.3405
Hunter-Lab	95.6120, -22.8530, 54.1627

Details

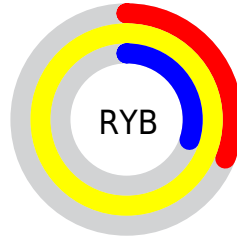
The Yxy color **91.4166, 0.4086, 0.4827** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light washed yellow. A complement of this color would be **14.5273, 0.1781, 0.1079**, and the grayscale version is **82.0008, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5576, 0.3819, 0.4434**, and **51.0820, 0.4184, 0.5060** is the 20% darker color. If you saturate the color by 10%, you get **90.8624, 0.4157, 0.4936**, and if you desaturate by 10%, it is **92.1210, 0.3989, 0.4675**.

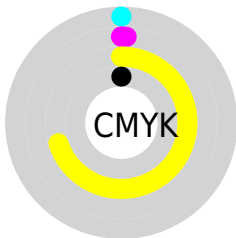
Distribution



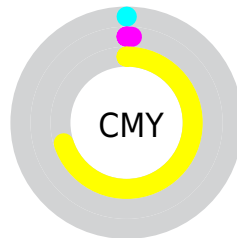
- Red (100%)
- Green (99%)
- Blue (30%)



- Red (31%)
- Yellow (100%)
- Blue (30%)



- Cyan (0%)
- Magenta (1%)
- Yellow (70%)
- Black (0%)





- Cyan (0%)
- Magenta (1%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 91.4166, 0.4086, 0.4827 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 91.4166, 0.4086, 0.4827 by changing the saturation by 10% instead.


 91.4166, 0.4086,
0.4827

 91.4166, 0.4086,
0.4827


532.6283, 0.3724,
0.4176

 69.1562, 0.4144,
0.4952

 149.3046, 0.3980,
0.4619


 50.8389, 0.4202,
0.5092


 185.7009, 0.3933,
0.4533

 36.0804, 0.4255,
0.5249


 227.5779, 0.3890,
0.4456

 24.4963, 0.4293,
0.5417

 275.3201, 0.3851,
0.4388

 15.7022, 0.4336,
0.5638

329.3119, 0.3815,
0.4327

 9.3137, 0.4244,
0.5756


389.9376, 0.3782,


 4.9463, 0.4092,


0.4271


0.5908


457.5816, 0.3752,
0.4222


 2.2158, 0.3842,
0.6158


 0.7286, 0.2507,
0.7493


 91.4166, 0.4086,
0.4827


 91.4166, 0.4086,
0.4827


 90.8624, 0.4157,
0.4936


 92.1210, 0.3989,
0.4675


 90.4280, 0.4201,
0.5001

 92.9775, 0.3869,
0.4485

 90.0895, 0.4223,
0.5029

 94.0032, 0.3731,
0.4265

 90.0832, 0.4223,
0.5029

 95.2098, 0.3582,
0.4026

 96.6077, 0.3428,
0.3778

 98.2066, 0.3274,
0.3528

99.9847, 0.3127,
0.3290

99.9953, 0.3127,
0.3290

Harmonies

Analogous

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



91.4166, 0.4706, 0.4291



91.4166, 0.4086, 0.4827



91.4166, 0.3262, 0.4943

Triad

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



91.4166, 0.4086, 0.4827



91.4166, 0.1621, 0.2526



91.4166, 0.3691, 0.2485

Complementary

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



91.4166, 0.4086, 0.4827



14.5273, 0.1781, 0.1079

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.



91.4166, 0.2774, 0.2108



91.4166, 0.4086, 0.4827



91.4166, 0.1699, 0.2078

Square

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



91.4166, 0.4086, 0.4827



91.4166, 0.1864, 0.3350



91.4166, 0.2081, 0.1959



91.4166, 0.4529, 0.3026

Rectangle

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



91.4166, 0.4086, 0.4827



91.4166, 0.2703, 0.4623



91.4166, 0.2081, 0.1959



91.4166, 0.3374, 0.2337

Sweetspot

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



91.4209, 0.4086, 0.4827



96.4512, 0.3447, 0.3808



27.1414, 0.5468, 0.3274



20.5591, 0.3490, 0.3877



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.



91.4209, 0.4086, 0.4827



90.6862, 0.4179, 0.4969



80.4697, 0.3478, 0.5237



21.0358, 0.3270, 0.3521



47.1045, 0.4222, 0.5029



4.6023, 0.4219, 0.5032

Inverse Universe

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



14.5273, 0.1781, 0.1079



9.5159, 0.1592, 0.0763



20.3145, 0.2344, 0.1330



17.4261, 0.2978, 0.3048



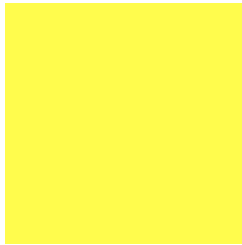
3.8417, 0.1503, 0.0610



0.3903, 0.1510, 0.0634

Previews

White Background



This preview shows how the Yxy color 91.4166, 0.4086, 0.4827 looks on a white background.

Color Contrast Check

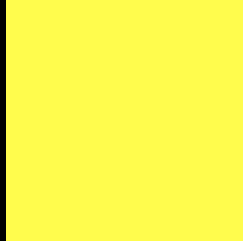
Large Text (above 18pt) WCAG AA × Fail

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 91.4166, 0.4086, 0.4827 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

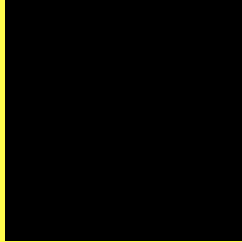
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 91.4166, 0.4086, 0.4827

Background



This preview shows how black text looks on a background with the Yxy color 91.4166, 0.4086, 0.4827.



This preview shows how white text looks on a background with the Yxy color 91.4166, 0.4086, 0.4827.

Color Blindness Simulation

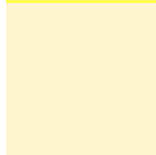
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



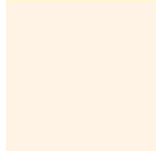
Original Color

91.4166, 0.4086, 0.4827



Protanopia

91.1189, 0.3423, 0.3657



Deuteranopia

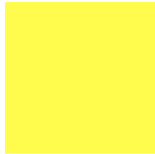
91.0744, 0.3286, 0.3418



Tritanopia

90.9479, 0.3176, 0.3223

Trichromacy



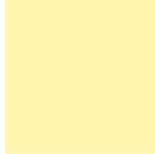
Original Color

91.4166, 0.4086, 0.4827



Protanomaly

90.9329, 0.3712, 0.4159



Deuteranomaly

90.2275, 0.3634, 0.4006



Tritanomaly

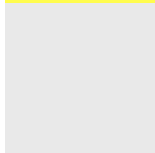
90.1100, 0.3562, 0.3878

Monochromacy



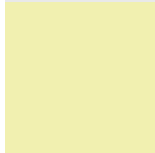
Original Color

91.4166, 0.4086, 0.4827



Achromatopsia

81.4847, 0.3127, 0.3290



Achromatomaly

84.1555, 0.3538, 0.3955

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.4166, 0.4086, 0.4827 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, 252, 77)` looks like.

```
.text, #text, p{  
    color:rgb(255, 252, 77)  
}
```

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, 252, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 252, 77) }
```

Border

The CSS property to change the border of an element to Yxy 91.4166, 0.4086, 0.4827 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, 252, 77) }
```

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

```
.border{ border-color:rgb(255, 252, 77) }
```

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

Here you see how a box with a 4 pixel rgb(255, 252, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 252, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 252, 77);  
box-shadow:4px 4px 4px 4px rgb(255, 252,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 91.4166, 0.4086, 0.4827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 252, 77) }
```

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

```
.background{ background-color: rgb(255,  
252, 77) }
```

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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