

Converting Colors

$Yxy(93.2177, 0.4090, 0.4882)$

Have a look what the booklet for
Yxy(93.2177, 0.4090, 0.4882)
contains.

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Color

Yxy(93.2222, 0.4089, 0.4881)

Conversions

Conversions Part 1

Format	Color
Hex	FFFF46
RGB	255, 255, 70
RGB Percent	100%, 100%, 27%
CMY	0.0001, 0.0000, 0.7255
CMYK	0.00, 0.00, 0.73, 0.00
HSL	60°, 100%, 64%
HSV	60°, 73%, 100%
XYZ	78.0958, 93.2222, 19.6720
YIQ	233.9100, 59.3850, -57.5350

Conversions

Conversions Part 2

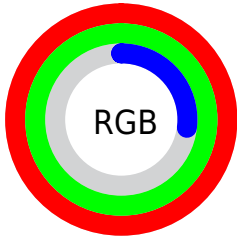
Format	Color
R _Y B	70, 255, 70
Decimal	16777030
CIE Lab	97.32, -20.13, 82.31
CIE LCh	97, 84.736, 103.742
Yxy	93.2222, 0.4089, 0.4881
Android (android.graphics.Color)	4294967110 (0xFFFFFFFF46)
YUV	233.9100, -80.8076, 18.4959
Hunter-Lab	96.5516, -24.5857, 55.5061

Details

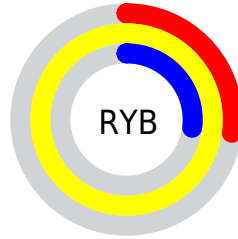
The Yxy color **93.2222, 0.4089, 0.4881** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **12.9049, 0.1731, 0.0981**, and the grayscale version is **82.7890, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.3917, 0.3850, 0.4484**, and **52.3162, 0.4149, 0.5087** is the 20% darker color. If you saturate the color by 10%, you get **92.9579, 0.4148, 0.4979**, and if you desaturate by 10%, it is **93.6095, 0.4003, 0.4739**.

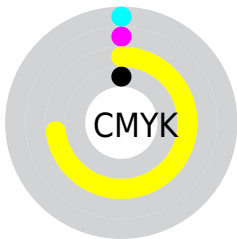
Distribution



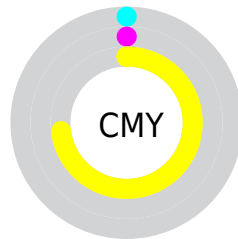
- Red (100%)
- Green (100%)
- Blue (27%)



- Red (27%)
- Yellow (100%)
- Blue (27%)



- Cyan (0%)
- Magenta (0%)
- Yellow (73%)
- Black (0%)





- Cyan (0%)
- Magenta (0%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.2222, 0.4089, 0.4881 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 93.2222, 0.4089, 0.4881 by changing the saturation by 10% instead.


 93.2222, 0.4089,
0.4881


 93.2222, 0.4089,
0.4881

538.4577, 0.3734,
0.4212


 70.6562, 0.4143,
0.5008


 151.8062, 0.3987,
0.4668


 52.0617, 0.4196,
0.5150


 188.5930, 0.3941,
0.4580

 37.0542, 0.4243,
0.5307


 230.8889, 0.3899,
0.4501

 25.2495, 0.4272,
0.5475

 279.0782, 0.3860,
0.4430

 16.2630, 0.4303,
0.5697

 333.5453, 0.3824,
0.4367

 9.7105, 0.4193,
0.5807


394.6747, 0.3791,


 5.2074, 0.4030,


0.4310


0.5970


462.8507, 0.3761,
0.4259


 2.3695, 0.3766,
0.6234


 0.8101, 0.2559,
0.7441


 93.2222, 0.4089,
0.4881

 93.2222, 0.4089,
0.4881


 92.9579, 0.4148,
0.4979


 93.6095, 0.4003,
0.4739

 92.8183, 0.4181,
0.5034

 94.1557, 0.3893,
0.4557

 92.7705, 0.4193,
0.5053

 94.8671, 0.3764,
0.4342

 95.7557, 0.3620,
0.4105

 96.8324, 0.3469,
0.3855

 98.1069, 0.3315,
0.3601

 99.5886, 0.3165,
0.3352

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.



93.2222, 0.4739, 0.4325



93.2222, 0.4089, 0.4881



93.2222, 0.3239, 0.4999

Triad

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



93.2222, 0.4089, 0.4881



93.2222, 0.1579, 0.2483



93.2222, 0.3731, 0.2473

Complementary

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



93.2222, 0.4089, 0.4881



12.9049, 0.1731, 0.0981

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.



93.2222, 0.2781, 0.2083



93.2222, 0.4089, 0.4881



93.2222, 0.1666, 0.2036

Square

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



93.2222, 0.4089, 0.4881



93.2222, 0.1817, 0.3325



93.2222, 0.2064, 0.1923



93.2222, 0.4592, 0.3028

Rectangle

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



93.2222, 0.4089, 0.4881



93.2222, 0.2666, 0.4658



93.2222, 0.2064, 0.1923



93.2222, 0.3403, 0.2320

Sweetspot

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



93.2154, 0.4089, 0.4881



96.8968, 0.3460, 0.3841



26.0835, 0.5630, 0.3297



20.6727, 0.3502, 0.3910



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.



93.2154, 0.4089, 0.4881



92.8824, 0.4166, 0.5009



79.6965, 0.3458, 0.5313



21.0906, 0.3269, 0.3525



48.4747, 0.4193, 0.5053



4.7199, 0.4193, 0.5053

Inverse Universe

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



12.9049, 0.1731, 0.0981



8.6426, 0.1562, 0.0702



19.3355, 0.2333, 0.1280



17.3780, 0.2978, 0.3044



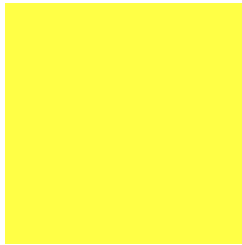
3.7728, 0.1500, 0.0600



0.3674, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 93.2222, 0.4089, 0.4881 looks on a white background.

Color Contrast Check

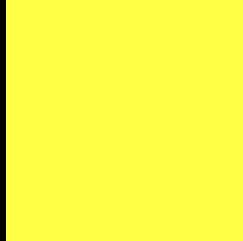
Large Text (above 18pt) WCAG AA × Fail

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 93.2222, 0.4089, 0.4881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

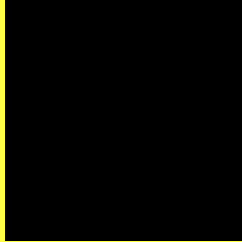
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 93.2222, 0.4089, 0.4881

Background



This preview shows how black text looks on a background with the Yxy color 93.2222, 0.4089, 0.4881.



This preview shows how white text looks on a background with the Yxy color 93.2222, 0.4089, 0.4881.

Color Blindness Simulation

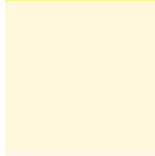
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



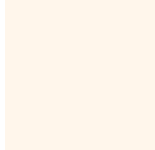
Original Color

93.2222, 0.4089, 0.4881



Protanopia

92.8960, 0.3350, 0.3566



Deuteranopia

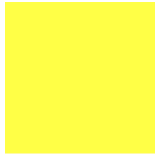
93.1697, 0.3252, 0.3397



Tritanopia

92.8635, 0.3162, 0.3232

Trichromacy



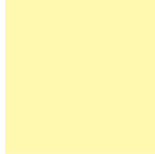
Original Color

93.2222, 0.4089, 0.4881



Protanomaly

92.3478, 0.3676, 0.4129



Deuteranomaly

92.1065, 0.3619, 0.4023



Tritanomaly

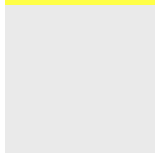
91.8976, 0.3561, 0.3916

Monochromacy



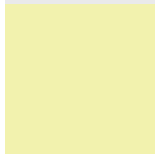
Original Color

93.2222, 0.4089, 0.4881



Achromatopsia

82.2786, 0.3127, 0.3290



Achromatomaly

85.4375, 0.3552, 0.3993

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.2222, 0.4089, 0.4881 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, 255, 70)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 70)  
}
```

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, 255, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 70) }
```

Border

The CSS property to change the border of an element to Yxy 93.2222, 0.4089, 0.4881 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, 255, 70) }
```

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

```
.border{ border-color:rgb(255, 255, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 255, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 70);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 93.2222, 0.4089, 0.4881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 255, 70) }
```

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

```
.background{ background-color: rgb(255,  
255, 70) }
```

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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