

Converting Colors

$Yxy(92.9477, 0.4153, 0.4986)$

Have a look what the booklet for
Yxy(92.9477, 0.4153, 0.4986)
contains.

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Color

Yxy(92.9472, 0.4153, 0.4986)

Conversions

Conversions Part 1

Format	Color
Hex	FFFF2A
RGB	255, 255, 42
RGB Percent	100%, 100%, 16%
CMY	0.0000, 0.0000, 0.8353
CMYK	0.00, 0.00, 0.84, 0.00
HSL	60°, 100%, 58%
HSV	60°, 84%, 100%
XYZ	77.4187, 92.9472, 16.0504
YIQ	230.7180, 68.3730, -66.2430

Conversions

Conversions Part 2

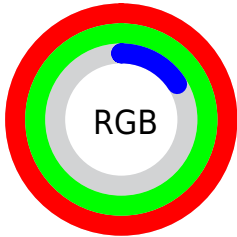
Format	Color
R _Y B	42, 255, 42
Decimal	16777002
CIE Lab	97.21, -21.01, 89.53
CIE LCh	97, 91.963, 103.203
Yxy	92.9472, 0.4153, 0.4986
Android (android.graphics.Color)	4294967082 (0xFFFFFFFF2A)
YUV	230.7180, -93.0380, 21.2953
Hunter-Lab	96.4091, -25.3764, 57.6156

Details

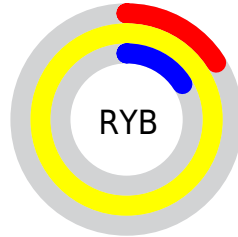
The Yxy color **92.9472, 0.4153, 0.4986** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **9.3691, 0.1592, 0.0752**, and the grayscale version is **80.3580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9277, 0.3939, 0.4633**, and **52.3162, 0.4149, 0.5087** is the 20% darker color. If you saturate the color by 10%, you get **92.8190, 0.4184, 0.5037**, and if you desaturate by 10%, it is **93.1914, 0.4096, 0.4892**.

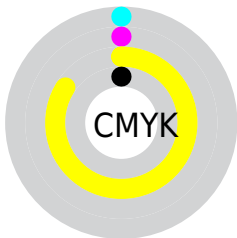
Distribution



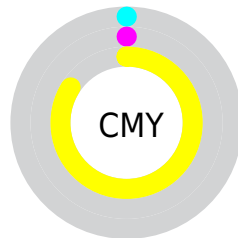
- Red (100%)
- Green (100%)
- Blue (16%)



- Red (16%)
- Yellow (100%)
- Blue (16%)



- Cyan (0%)
- Magenta (0%)
- Yellow (84%)
- Black (0%)



- Cyan (0%)
- Magenta (0%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 92.9472, 0.4153, 0.4986 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 92.9472, 0.4153, 0.4986 by changing the saturation by 10% instead.

 92.9472, 0.4153,
0.4986


 92.9472, 0.4153,
0.4986


537.5721, 0.3788,
0.4286


 70.4276, 0.4204,
0.5113


 151.4255, 0.4053,
0.4768

 51.8752, 0.4250,
0.5253


 188.1530, 0.4006,
0.4676


 36.9056, 0.4285,
0.5403


 230.3853, 0.3962,
0.4593

 25.1344, 0.4299,
0.5561

 278.5068, 0.3922,
0.4519

 16.1772, 0.4276,
0.5724

 332.9018, 0.3884,
0.4452

 9.6497, 0.4161,
0.5839


393.9547, 0.3850,


 5.1673, 0.3990,

0.4391

0.6010


462.0500, 0.3818,
0.4336


 2.3458, 0.3712,
0.6288


 0.7978, 0.2353,
0.7647


 92.9472, 0.4153,
0.4986


 92.9472, 0.4153,
0.4986


 92.8190, 0.4184,
0.5037


 93.1914, 0.4096,
0.4892


 92.7800, 0.4193,
0.5053

 93.5705, 0.4013,
0.4755

 94.1002, 0.3905,
0.4576

 94.7939, 0.3777,
0.4365

 95.6638, 0.3635,
0.4129

 96.7206, 0.3484,
0.3880

 97.9744, 0.3330,
0.3626

 99.4344, 0.3179,
0.3376

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.



92.9472, 0.4857, 0.4358



92.9472, 0.4153, 0.4986



92.9472, 0.3244, 0.5165

Triad

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



92.9472, 0.4153, 0.4986



92.9472, 0.1478, 0.2422



92.9472, 0.3758, 0.2404

Complementary

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



92.9472, 0.4153, 0.4986



9.3691, 0.1592, 0.0752

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.



92.9472, 0.2731, 0.1997



92.9472, 0.4153, 0.4986



92.9472, 0.1566, 0.1949

Square

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



92.9472, 0.4153, 0.4986



92.9472, 0.1726, 0.3337



92.9472, 0.1976, 0.1832



92.9472, 0.4704, 0.2986

Rectangle

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



92.9472, 0.4153, 0.4986



92.9472, 0.2631, 0.4810



92.9472, 0.1976, 0.1832



92.9472, 0.3401, 0.2244

Sweetspot

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



92.9472, 0.4153, 0.4986



96.5526, 0.3506, 0.3917



23.0839, 0.6071, 0.3299



20.5842, 0.3560, 0.4005



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.



92.9472, 0.4153, 0.4986



92.7800, 0.4193, 0.5053



78.0303, 0.3433, 0.5526



21.0908, 0.3269, 0.3525



48.4795, 0.4193, 0.5053



4.7203, 0.4193, 0.5053

Inverse Universe

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



9.3691, 0.1592, 0.0752



7.2200, 0.1500, 0.0600



15.2197, 0.2191, 0.1070



17.3778, 0.2978, 0.3044



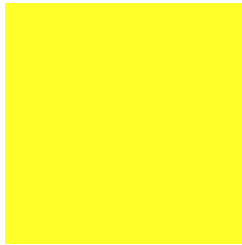
3.7726, 0.1500, 0.0600



0.3673, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 92.9472, 0.4153, 0.4986 looks on a white background.

Color Contrast Check

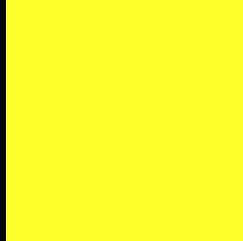
Large Text (above 18pt) WCAG AA × Fail

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 92.9472, 0.4153, 0.4986 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 92.9472, 0.4153, 0.4986

Background



This preview shows how black text looks on a background with the Yxy color 92.9472, 0.4153, 0.4986.



This preview shows how white text looks on a background with the Yxy color 92.9472, 0.4153, 0.4986.

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



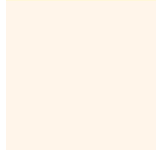
Original Color

92.9472, 0.4153, 0.4986



Protanopia

92.7913, 0.3363, 0.3586



Deuteranopia

92.5053, 0.3259, 0.3398



Tritanopia

92.8635, 0.3162, 0.3232

Trichromacy



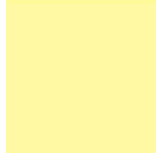
Original Color

92.9472, 0.4153, 0.4986



Protanomaly

91.9311, 0.3746, 0.4242



Deuteranomaly

91.6917, 0.3685, 0.4130



Tritanomaly

91.4508, 0.3628, 0.4024

Monochromacy



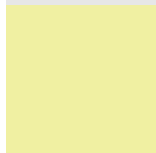
Original Color

92.9472, 0.4153, 0.4986



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

83.4541, 0.3618, 0.4101

CSS Examples

Text

The CSS property to change the color of the text to Yxy 92.9472, 0.4153, 0.4986 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, 42)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 42)  
}
```

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, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 42) }
```

Border

The CSS property to change the border of an element to Yxy 92.9472, 0.4153, 0.4986 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, 42) }
```

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

```
.border{ border-color:rgb(255, 255, 42) }
```

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, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 42);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 92.9472, 0.4153, 0.4986 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, 42) }
```

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

```
.background{ background-color: rgb(255,  
255, 42) }
```

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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