

Converting Colors

$Yxy(92.7902, 0.4188, 0.5044)$

Have a look what the booklet for
Yxy(92.7902, 0.4188, 0.5044)
contains.

Yxy(92.8019, 0.4188, 0.5044)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(92.8019, 0.4188, 0.5044)

Conversions

Conversions Part 1

Format	Color
Hex	FFFF0A
RGB	255, 255, 10
RGB Percent	100%, 100%, 4%
CMY	0.0000, 0.0000, 0.9618
CMYK	0.00, 0.00, 0.96, 0.00
HSL	60°, 100%, 52%
HSV	60°, 96%, 100%
XYZ	77.0528, 92.8019, 14.1300
YIQ	227.0700, 78.6450, -76.1950

Conversions

Conversions Part 2

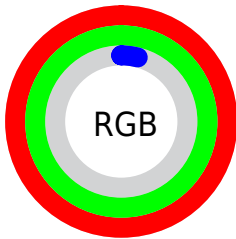
Format	Color
RYB	10, 255, 10
Decimal	16776970
CIELab	97.15, -21.49, 93.82
CIELCh	97, 96.254, 102.899
Yxy	92.8019, 0.4188, 0.5044
Android (android.graphics.Color)	4294967050 (0xFFFFFFFF0A)
YUV	227.0700, -107.0155, 24.4946
Hunter-Lab	96.3337, -25.8103, 58.7371

Details

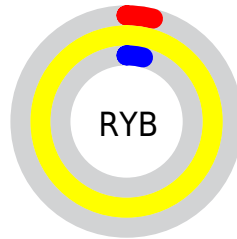
The Yxy color **92.8019, 0.4188, 0.5044** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light saturated yellow. A complement of this color would be **7.4944, 0.1512, 0.0620**, and the grayscale version is **77.5981, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6618, 0.3994, 0.4723**, and **52.1843, 0.4141, 0.5094** is the 20% darker color. If you saturate the color by 10%, you get **92.7793, 0.4193, 0.5053**, and if you desaturate by 10%, it is **92.9022, 0.4164, 0.5003**.

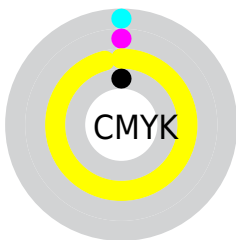
Distribution



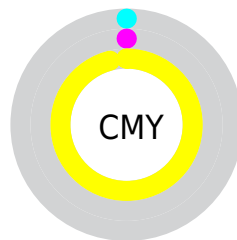
- Red (100%)
- Green (100%)
- Blue (4%)



- Red (4%)
- Yellow (100%)
- Blue (4%)



- Cyan (0%)
- Magenta (0%)
- Yellow (96%)
- Black (0%)





- Cyan (0%)
- Magenta (0%)
- Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 92.8019, 0.4188, 0.5044 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 92.8019, 0.4188, 0.5044 by changing the saturation by 10% instead.

 92.8019, 0.4188,
0.5044

 92.8019, 0.4188,
0.5044


537.1038, 0.3820,
0.4330


 70.3069, 0.4236,
0.5171


 151.2243, 0.4090,
0.4824

 51.7767, 0.4277,
0.5307


 187.9205, 0.4043,
0.4731


 36.8271, 0.4304,
0.5451


 230.1192, 0.3999,
0.4646

 25.0737, 0.4315,
0.5611

 278.2047, 0.3957,
0.4570

 16.1320, 0.4262,
0.5738

 332.5616, 0.3919,
0.4501

 9.6176, 0.4143,
0.5857


393.5741, 0.3883,


 5.1461, 0.3967,


0.4438


0.6033

461.6267, 0.3850,
0.4382


 2.3333, 0.3682,
0.6318


 0.7912, 0.2233,
0.7767


 92.8019, 0.4188,
0.5044

 92.8019, 0.4188,
0.5044

 92.7793, 0.4193,
0.5053


 92.9022, 0.4164,
0.5003


 93.1136, 0.4114,
0.4922

 93.4554, 0.4038,
0.4795

 93.9437, 0.3936,
0.4627

 94.5928, 0.3813,
0.4423

 95.4149, 0.3673,
0.4193

 96.4211, 0.3524,
0.3947

 97.6218, 0.3371,
0.3693

 99.0263, 0.3219,
0.3442

Harmonies

Analogous

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



92.8019, 0.4924, 0.4374



92.8019, 0.4188, 0.5044



92.8019, 0.3245, 0.5263

Triad

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



92.8019, 0.4188, 0.5044



92.8019, 0.1420, 0.2386



92.8019, 0.3773, 0.2363

Complementary

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



92.8019, 0.4188, 0.5044



7.4944, 0.1512, 0.0620

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.



92.8019, 0.2702, 0.1947



92.8019, 0.4188, 0.5044



92.8019, 0.1509, 0.1900

Square

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



92.8019, 0.4188, 0.5044



92.8019, 0.1674, 0.3344



92.8019, 0.1925, 0.1780



92.8019, 0.4769, 0.2960

Rectangle

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



92.8019, 0.4188, 0.5044



92.8019, 0.2610, 0.4903



92.8019, 0.1925, 0.1780



92.8019, 0.3398, 0.2200

Sweetspot

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



92.8007, 0.4188, 0.5044



96.1181, 0.3567, 0.4017



21.4928, 0.6356, 0.3300



20.4813, 0.3631, 0.4123



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.



92.8007, 0.4188, 0.5044



92.7793, 0.4193, 0.5053



76.4768, 0.3374, 0.5685



21.0908, 0.3269, 0.3525



48.4792, 0.4193, 0.5053



4.7203, 0.4193, 0.5053

Inverse Universe

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



7.4944, 0.1512, 0.0620



7.2200, 0.1500, 0.0600



12.3670, 0.2045, 0.0912



17.3778, 0.2978, 0.3044



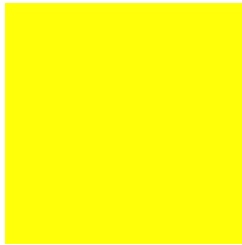
3.7726, 0.1500, 0.0600



0.3673, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 92.8019, 0.4188, 0.5044 looks on a white background.

Color Contrast Check

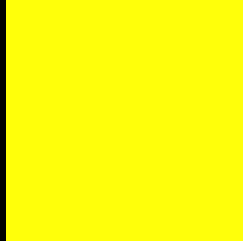
Large Text (above 18pt) WCAG AA × Fail

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 92.8019, 0.4188, 0.5044 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 92.8019, 0.4188, 0.5044

Background



This preview shows how black text looks on a background with the Yxy color 92.8019, 0.4188, 0.5044.



This preview shows how white text looks on a background with the Yxy color 92.8019, 0.4188, 0.5044.

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



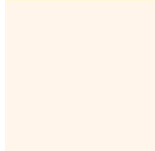
Original Color

92.8019, 0.4188, 0.5044



Protanopia

92.7394, 0.3369, 0.3596



Deuteranopia

92.5053, 0.3259, 0.3398



Tritanopia

92.8009, 0.3168, 0.3242

Trichromacy



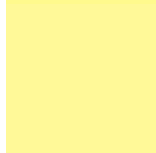
Original Color

92.8019, 0.4188, 0.5044



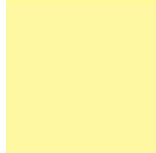
Protanomaly

91.5543, 0.3813, 0.4351



Deuteranomaly

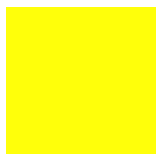
91.2784, 0.3755, 0.4243



Tritanomaly

91.0034, 0.3700, 0.4140

Monochromacy



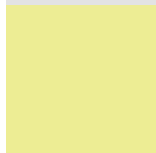
Original Color

92.8019, 0.4188, 0.5044



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

80.7110, 0.3691, 0.4223

CSS Examples

Text

The CSS property to change the color of the text to Yxy 92.8019, 0.4188, 0.5044 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, 10)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 10)  
}
```

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, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 10) }
```

Border

The CSS property to change the border of an element to Yxy 92.8019, 0.4188, 0.5044 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, 10) }
```

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

```
.border{ border-color:rgb(255, 255, 10) }
```

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, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 10);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
10) }
```


Background

The CSS property to change the background color of an element to Yxy 92.8019, 0.4188, 0.5044 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, 10) }
```

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

```
.background{ background-color: rgb(255,  
255, 10) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor