

Converting Colors

$Y_{xy}(100.0000, 0.4123, 0.5078)$

Have a look what the booklet for
Yxy(100.0000, 0.4123, 0.5078)
contains.

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Color

Yxy(92.8341, 0.4180, 0.5031)

Conversions

Conversions Part 1

Format	Color
Hex	FFFF15
RGB	255, 255, 21
RGB Percent	100%, 100%, 8%
CMY	0.0001, 0.0000, 0.9179
CMYK	0.00, 0.00, 0.92, 0.00
HSL	60°, 100%, 54%
HSV	60°, 92%, 100%
XYZ	77.1311, 92.8341, 14.5590
YIQ	228.3240, 75.1140, -72.7740

Conversions

Conversions Part 2

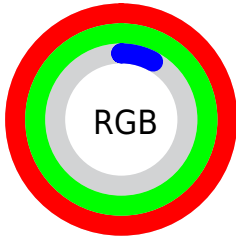
Format	Color
R _Y B	21, 255, 21
Decimal	16776981
CIE Lab	97.16, -21.39, 92.83
CIE LCh	97, 95.264, 102.973
Yxy	92.8341, 0.4180, 0.5031
Android (android.graphics.Color)	4294967061 (0xFFFFFFFF15)
YUV	228.3240, -102.2107, 23.3949
Hunter-Lab	96.3505, -25.7193, 58.4864

Details

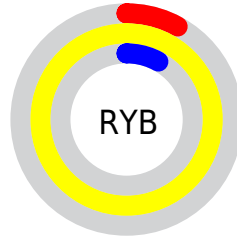
The Yxy color **92.8341, 0.4180, 0.5031** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light washed yellow. A complement of this color would be **7.9131, 0.1531, 0.0650**, and the grayscale version is **78.5468, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7196, 0.3982, 0.4703**, and **52.3162, 0.4149, 0.5087** is the 20% darker color. If you saturate the color by 10%, you get **92.7771, 0.4193, 0.5053**, and if you desaturate by 10%, it is **92.9784, 0.4145, 0.4973**.

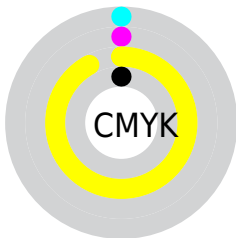
Distribution



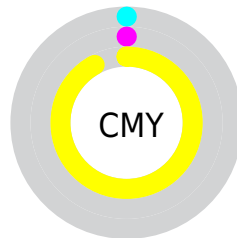
- Red (100%)
- Green (100%)
- Blue (8%)



- Red (8%)
- Yellow (100%)
- Blue (8%)



- Cyan (0%)
- Magenta (0%)
- Yellow (92%)
- Black (0%)





- Cyan (0%)
- Magenta (0%)
- Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 92.8341, 0.4180, 0.5031 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 92.8341, 0.4180, 0.5031 by changing the saturation by 10% instead.

 92.8341, 0.4180,
0.5031

 92.8341, 0.4180,
0.5031

537.2076, 0.3812,
0.4320


 70.3336, 0.4229,
0.5158


 151.2689, 0.4081,
0.4812

 51.7986, 0.4271,
0.5295


 187.9720, 0.4034,
0.4718


 36.8445, 0.4300,
0.5441


 230.1781, 0.3990,
0.4634

 25.0871, 0.4311,
0.5600

 278.2717, 0.3949,
0.4558

 16.1420, 0.4265,
0.5735

 332.6370, 0.3911,
0.4490

 9.6247, 0.4147,
0.5853


393.6585, 0.3876,


 5.1508, 0.3972,


0.4428


0.6028


461.7205, 0.3843,
0.4371

 2.3360, 0.3689,
0.6311


 0.7927, 0.2259,
0.7741


 92.8341, 0.4180,
0.5031


 92.8341, 0.4180,
0.5031


 92.7771, 0.4193,
0.5053


 92.9784, 0.4145,
0.4973


 93.2450, 0.4084,
0.4872


 93.6495, 0.3996,
0.4726

 94.2071, 0.3884,
0.4542

 94.9309, 0.3753,
0.4325

 95.8328, 0.3609,
0.4086

 96.9234, 0.3457,
0.3836

 98.2127, 0.3304,
0.3582

 99.7098, 0.3153,
0.3334

Harmonies

Analogous

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



92.8341, 0.4908, 0.4371



92.8341, 0.4180, 0.5031



92.8341, 0.3245, 0.5240

Triad

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



92.8341, 0.4180, 0.5031



92.8341, 0.1433, 0.2394



92.8341, 0.3769, 0.2373

Complementary

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



92.8341, 0.4180, 0.5031



7.9131, 0.1531, 0.0650

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.



92.8341, 0.2709, 0.1959



92.8341, 0.4180, 0.5031



92.8341, 0.1522, 0.1911

Square

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



92.8341, 0.4180, 0.5031



92.8341, 0.1686, 0.3342



92.8341, 0.1937, 0.1792



92.8341, 0.4754, 0.2966

Rectangle

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



92.8341, 0.4180, 0.5031



92.8341, 0.2615, 0.4881



92.8341, 0.1937, 0.1792



92.8341, 0.3399, 0.2210

Sweetspot

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



92.8312, 0.4180, 0.5031



96.2231, 0.3552, 0.3992



21.8481, 0.6289, 0.3299



20.5010, 0.3617, 0.4099



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.



92.8312, 0.4180, 0.5031



92.7771, 0.4193, 0.5053



76.9747, 0.3398, 0.5641



21.0907, 0.3269, 0.3525



48.4780, 0.4193, 0.5053



4.7202, 0.4193, 0.5053

Inverse Universe

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



7.9131, 0.1531, 0.0650



7.2201, 0.1500, 0.0600



13.1549, 0.2093, 0.0956



17.3779, 0.2978, 0.3044



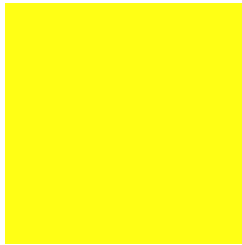
3.7727, 0.1500, 0.0600



0.3674, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 92.8341, 0.4180, 0.5031 looks on a white background.

Color Contrast Check

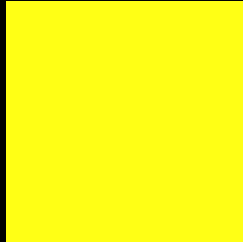
Large Text (above 18pt) WCAG AA × Fail

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 92.8341, 0.4180, 0.5031 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 92.8341, 0.4180, 0.5031

Background



This preview shows how black text looks on a background with the Yxy color 92.8341, 0.4180, 0.5031.



This preview shows how white text looks on a background with the Yxy color 92.8341, 0.4180, 0.5031.

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



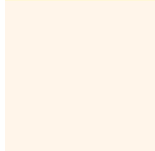
Original Color

92.8341, 0.4180, 0.5031



Protanopia

92.7394, 0.3369, 0.3596



Deuteranopia

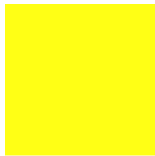
92.5053, 0.3259, 0.3398



Tritanopia

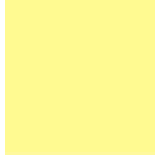
92.8635, 0.3162, 0.3232

Trichromacy



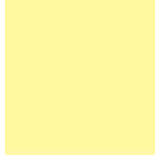
Original Color

92.8341, 0.4180, 0.5031



Protanomaly

91.6755, 0.3791, 0.4315



Deuteranomaly

91.4457, 0.3726, 0.4196



Tritanomaly

91.1848, 0.3670, 0.4092

Monochromacy



Original Color

92.8341, 0.4180, 0.5031



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

81.6261, 0.3665, 0.4179

CSS Examples

Text

The CSS property to change the color of the text to Yxy 92.8341, 0.4180, 0.5031 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, 21)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 21)  
}
```

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, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 21) }
```

Border

The CSS property to change the border of an element to Yxy 92.8341, 0.4180, 0.5031 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, 21) }
```

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

```
.border{ border-color:rgb(255, 255, 21) }
```

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, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 21);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
21) }
```


Background

The CSS property to change the background color of an element to Yxy 92.8341, 0.4180, 0.5031 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, 21) }
```

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

```
.background{ background-color: rgb(255,  
255, 21) }
```

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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