

Converting Colors

$Yxy(90.9609, 0.4070, 0.5031)$

Have a look what the booklet for
Yxy(90.9609, 0.4070, 0.5031)
contains.

Yxy(90.9504, 0.4069, 0.5031)	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(90.9504, 0.4069, 0.5031)

Conversions

Conversions Part 1

Format	Color
Hex	F4FF2E
RGB	244, 255, 46
RGB Percent	96%, 100%, 18%
CMY	0.0432, 0.0000, 0.8193
CMYK	0.04, 0.00, 0.82, 0.00
HSL	63°, 100%, 59%
HSV	63°, 82%, 100%
XYZ	73.5594, 90.9504, 16.2702
YIQ	227.8850, 60.5330, -67.3310

Conversions

Conversions Part 2

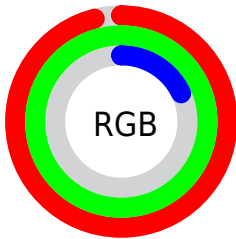
Format	Color
R _Y B	46, 255, 57
Decimal	16056110
CIE Lab	96.39, -25.38, 87.64
CIE LCh	96, 91.245, 106.148
Yxy	90.9504, 0.4069, 0.5031
Android (android.graphics.Color)	4294246190 (0xFFFF4FF2E)
YUV	227.8850, -89.6693, 14.1329
Hunter-Lab	95.3679, -29.2129, 56.6424

Details

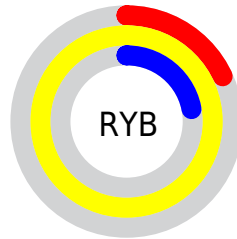
The Yxy color **90.9504, 0.4069, 0.5031** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **10.0530, 0.1642, 0.0796**, and the grayscale version is **78.1335, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9723, 0.3930, 0.4618**, and **50.4554, 0.4061, 0.5158** is the 20% darker color. If you saturate the color by 10%, you get **90.5638, 0.4094, 0.5098**, and if you desaturate by 10%, it is **91.4545, 0.4017, 0.4919**.

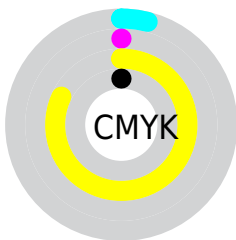
Distribution



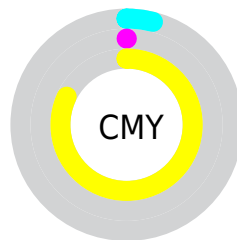
- Red (96%)
- Green (100%)
- Blue (18%)



- Red (18%)
- Yellow (100%)
- Blue (22%)



- Cyan (4%)
- Magenta (0%)
- Yellow (82%)
- Black (0%)





- Cyan (4%)
- Magenta (0%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.9504, 0.4069, 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 90.9504, 0.4069, 0.5031 by changing the saturation by 10% instead.


 90.9504, 0.4069,
0.5031


 90.9504, 0.4069,
0.5031


531.1176, 0.3738,
0.4297

 68.7692, 0.4113,
0.5169

 148.6578, 0.3979,
0.4799

 50.5237, 0.4151,
0.5321


 184.9528, 0.3937,
0.4702

 35.8297, 0.4176,
0.5488


 226.7212, 0.3898,
0.4615

 24.3027, 0.4176,
0.5667

 274.3474, 0.3861,
0.4538

 15.5583, 0.4138,
0.5862

 328.2157, 0.3826,
0.4468

 9.2122, 0.3993,
0.6007


388.7106, 0.3795,


 4.8798, 0.3777,


0.4405

0.6223


456.2164, 0.3765,
0.4349


 2.1769, 0.3424,
0.6576


 0.7074, 0.0695,
0.9305


 90.9504, 0.4069,
0.5031


 90.9504, 0.4069,
0.5031

 90.5638, 0.4094,
0.5098


 91.4545, 0.4017,
0.4919


 90.3191, 0.4100,
0.5127


 92.0998, 0.3939,
0.4763


 92.8996, 0.3837,
0.4569

 93.8674, 0.3716,
0.4343

 95.0147, 0.3582,
0.4098

 96.3525, 0.3440,
0.3843

 97.8906, 0.3296,
0.3587

 99.6381, 0.3154,
0.3337

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.



90.9504, 0.4803, 0.4427



90.9504, 0.4069, 0.5031



90.9504, 0.3151, 0.5138

Triad

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



90.9504, 0.4069, 0.5031



90.9504, 0.1473, 0.2357



90.9504, 0.3862, 0.2455

Complementary

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



90.9504, 0.4069, 0.5031



10.0530, 0.1642, 0.0796

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.



90.9504, 0.2824, 0.2027



90.9504, 0.4069, 0.5031



90.9504, 0.1593, 0.1924

Square

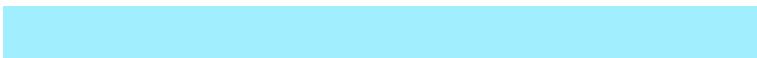
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.9504, 0.4069, 0.5031



90.9504, 0.1686, 0.3229



90.9504, 0.2035, 0.1837



90.9504, 0.4772, 0.3049

Rectangle

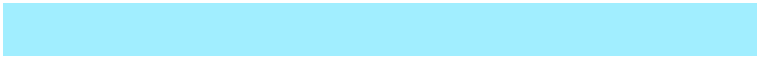
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.9504, 0.4069, 0.5031



90.9504, 0.2546, 0.4724



90.9504, 0.2035, 0.1837



90.9504, 0.3505, 0.2289

Sweetspot

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



90.9487, 0.4069, 0.5031



95.9208, 0.3484, 0.3922



24.3376, 0.5953, 0.3356



20.4302, 0.3534, 0.4012



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.



90.9487, 0.4069, 0.5031



90.3778, 0.4099, 0.5120



77.3016, 0.3377, 0.5545



21.0391, 0.3261, 0.3525



47.2149, 0.4101, 0.5125



4.6115, 0.4112, 0.5117

Inverse Universe

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



10.0530, 0.1642, 0.0796



7.4620, 0.1519, 0.0617



16.7560, 0.2301, 0.1143



17.4234, 0.2987, 0.3045



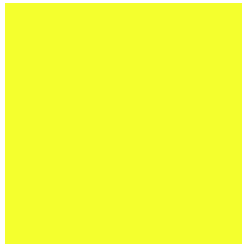
3.8377, 0.1515, 0.0609



0.3890, 0.1552, 0.0629

Previews

White Background



This preview shows how the Yxy color 90.9504, 0.4069, 0.5031 looks on a white background.

Color Contrast Check

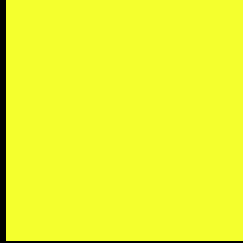
Large Text (above 18pt) WCAG AA × Fail

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 90.9504, 0.4069, 0.5031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

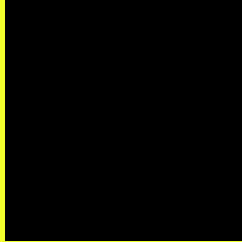
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.9504, 0.4069, 0.5031

Background



This preview shows how black text looks on a background with the Yxy color 90.9504, 0.4069, 0.5031.



This preview shows how white text looks on a background with the Yxy color 90.9504, 0.4069, 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



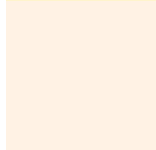
Original Color

90.9504, 0.4069, 0.5031



Protanopia

90.3210, 0.3450, 0.3688



Deuteranopia

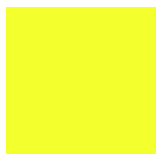
90.3657, 0.3300, 0.3428



Tritanopia

90.6085, 0.3152, 0.3175

Trichromacy



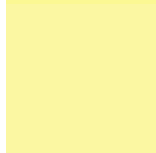
Original Color

90.9504, 0.4069, 0.5031



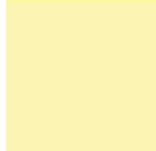
Protanomaly

89.7506, 0.3759, 0.4291



Deuteranomaly

89.6394, 0.3675, 0.4140



Tritanomaly

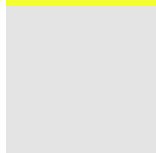
88.9884, 0.3590, 0.3975

Monochromacy



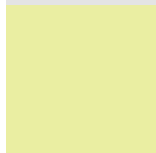
Original Color

90.9504, 0.4069, 0.5031



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

81.2501, 0.3580, 0.4095

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.9504, 0.4069, 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(244, 255, 46)` looks like.

```
.text, #text, p{  
    color:rgb(244, 255, 46)  
}
```

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(244, 255, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 255, 46) }
```

Border

The CSS property to change the border of an element to Yxy 90.9504, 0.4069, 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(244, 255, 46) }
```

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

```
.border{ border-color:rgb(244, 255, 46) }
```

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

Here you see how a box with a 4 pixel rgb(244, 255, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 255, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 255, 46);  
box-shadow:4px 4px 4px 4px rgb(244, 255,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 90.9504, 0.4069, 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(244, 255, 46) }
```

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

```
.background{ background-color: rgb(244,  
255, 46) }
```

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