

Converting Colors

Yxy(90.4688, 0.4162, 0.4934)

Have a look what the booklet for
Yxy(90.4688, 0.4162, 0.4934)
contains.

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Color

Yxy(90.4934, 0.4162, 0.4934)

Conversions

Conversions Part 1

Format	Color
Hex	FFFB33
RGB	255, 251, 51
RGB Percent	100%, 98%, 20%
CMY	0.0000, 0.0157, 0.7998
CMYK	0.00, 0.02, 0.80, 0.00
HSL	59°, 100%, 60%
HSV	59°, 80%, 100%
XYZ	76.3343, 90.4934, 16.5801
YIQ	229.3960, 66.5840, -61.3520

Conversions

Conversions Part 2

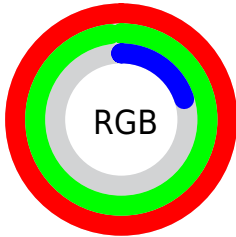
Format	Color
R _Y B	55, 255, 51
Decimal	16775987
CIE Lab	96.20, -18.86, 86.65
CIE LCh	96, 88.679, 102.281
Yxy	90.4934, 0.4162, 0.4934
Android (android.graphics.Color)	4294966067 (0xFFFFFB33)
YUV	229.3960, -87.9492, 22.4547
Hunter-Lab	95.1280, -23.2389, 56.2558

Details

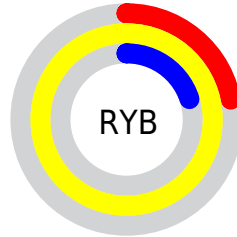
The Yxy color **90.4934, 0.4162, 0.4934** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **10.6605, 0.1636, 0.0839**, and the grayscale version is **79.2920, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.0410, 0.3917, 0.4595**, and **50.4995, 0.4184, 0.5060** is the 20% darker color. If you saturate the color by 10%, you get **90.0197, 0.4206, 0.4998**, and if you desaturate by 10%, it is **91.0996, 0.4091, 0.4826**.

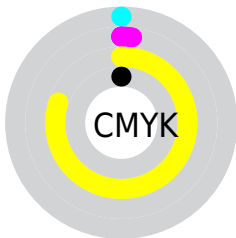
Distribution



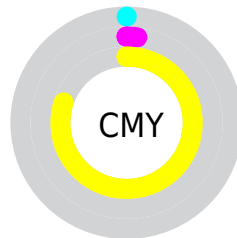
- Red (100%)
- Green (98%)
- Blue (20%)



- Red (22%)
- Yellow (100%)
- Blue (20%)



- Cyan (0%)
- Magenta (2%)
- Yellow (80%)
- Black (0%)




- Cyan (0%)
- Magenta (2%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.4934, 0.4162, 0.4934 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 90.4934, 0.4162, 0.4934 by changing the saturation by 10% instead.


 90.4934, 0.4162,
0.4934


 90.4934, 0.4162,
0.4934

529.6346, 0.3784,
0.4252

 68.3899, 0.4217,
0.5059


 148.0236, 0.4056,
0.4720


 50.2150, 0.4270,
0.5198


 184.2190, 0.4007,
0.4630


 35.5843, 0.4312,
0.5346


 225.8807, 0.3962,
0.4550

 24.1133, 0.4335,
0.5502

 273.3928, 0.3920,
0.4477

 15.4177, 0.4330,
0.5670

 327.1399, 0.3882,
0.4412

 9.1131, 0.4223,
0.5777

387.5063, 0.3847,

 4.8150, 0.4063,

0.4353

0.5937

454.8764, 0.3814,
0.4300

■ 2.1391, 0.3801,
0.6199

■ 0.6865, 0.2186,
0.7814

■ 90.4934, 0.4162,
0.4934

■ 90.4934, 0.4162,
0.4934

■ 90.0197, 0.4206,
0.4998

■ 91.0996, 0.4091,
0.4826

■ 89.6369, 0.4228,
0.5025

■ 91.8431, 0.3993,
0.4675


■ 89.6362, 0.4228,
0.5025

■ 92.7430, 0.3873,
0.4485

■ 93.8123, 0.3735,
0.4267

 95.0623, 0.3586,
0.4029

 96.5039, 0.3431,
0.3781

 98.1465, 0.3277,
0.3532

99.9966, 0.3127,
0.3290

99.9991, 0.3127,
0.3290

Harmonies

Analogous

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



90.4934, 0.4836, 0.4323



90.4934, 0.4162, 0.4934



90.4934, 0.3276, 0.5116

Triad

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



90.4934, 0.4162, 0.4934



90.4934, 0.1514, 0.2468



90.4934, 0.3711, 0.2409

Complementary

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



90.4934, 0.4162, 0.4934



10.6605, 0.1636, 0.0839

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.



90.4934, 0.2715, 0.2015



90.4934, 0.4162, 0.4934



90.4934, 0.1591, 0.1989

Square

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



90.4934, 0.4162, 0.4934



90.4934, 0.1773, 0.3373



90.4934, 0.1985, 0.1862



90.4934, 0.4640, 0.2977

Rectangle

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



90.4934, 0.4162, 0.4934



90.4934, 0.2674, 0.4787



90.4934, 0.1985, 0.1862



90.4934, 0.3364, 0.2254

Sweetspot

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



90.4976, 0.4162, 0.4934



95.9050, 0.3494, 0.3881



23.9348, 0.5880, 0.3259



20.4189, 0.3549, 0.3969



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.



90.4976, 0.4162, 0.4934



89.7864, 0.4221, 0.5017



79.2114, 0.3486, 0.5434



21.0262, 0.3270, 0.3520



46.8665, 0.4228, 0.5025



4.5819, 0.4223, 0.5029

Inverse Universe

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



10.6605, 0.1636, 0.0839



7.6271, 0.1515, 0.0630



15.7230, 0.2179, 0.1101



17.4346, 0.2978, 0.3049



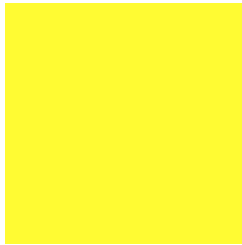
3.8538, 0.1503, 0.0612



0.3944, 0.1511, 0.0640

Previews

White Background



This preview shows how the Yxy color 90.4934, 0.4162, 0.4934 looks on a white background.

Color Contrast Check

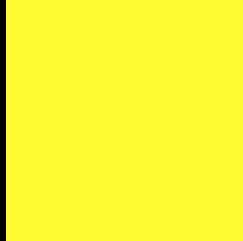
Large Text (above 18pt) WCAG AA × Fail

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 90.4934, 0.4162, 0.4934 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 90.4934, 0.4162, 0.4934

Background



This preview shows how black text looks on a background with the Yxy color 90.4934, 0.4162, 0.4934.



This preview shows how white text looks on a background with the Yxy color 90.4934, 0.4162, 0.4934.

Color Blindness Simulation

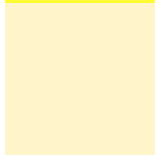
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



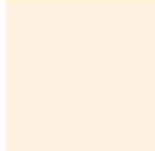
Original Color

90.4934, 0.4162, 0.4934



Protanopia

90.2256, 0.3462, 0.3708



Deuteranopia

90.3103, 0.3306, 0.3438



Tritanopia

90.2956, 0.3183, 0.3222

Trichromacy



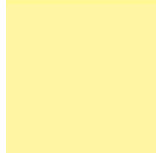
Original Color

90.4934, 0.4162, 0.4934



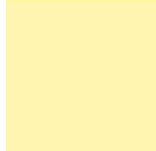
Protanomaly

89.8881, 0.3791, 0.4272



Deuteranomaly

89.2092, 0.3704, 0.4105



Tritanomaly

89.0960, 0.3627, 0.3969

Monochromacy



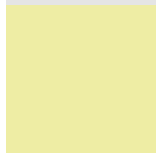
Original Color

90.4934, 0.4162, 0.4934



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

81.4259, 0.3600, 0.4057

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.4934, 0.4162, 0.4934 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, 251, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 51)  
}
```

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, 251, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 51) }
```

Border

The CSS property to change the border of an element to Yxy 90.4934, 0.4162, 0.4934 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, 251, 51) }
```

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

```
.border{ border-color:rgb(255, 251, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 251, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
51) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 90.4934, 0.4162, 0.4934$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 251, 51) }
```

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

```
.background{ background-color: rgb(255,  
251, 51) }
```

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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