

Converting Colors

$Y_{xy}(91.5903, 0.3742, 0.4534)$

Have a look what the booklet for
Yxy(91.5903, 0.3742, 0.4534)
contains.

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Color

Yxy(91.6570, 0.3745, 0.4533)

Conversions

Conversions Part 1

Format	Color
Hex	F0FF82
RGB	240, 255, 130
RGB Percent	94%, 100%, 51%
CMY	0.0588, 0.0000, 0.4902
CMYK	0.06, 0.00, 0.49, 0.00
HSL	67°, 100%, 75%
HSV	67°, 49%, 100%
XYZ	75.7237, 91.6570, 34.8187
YIQ	236.2650, 31.1850, -42.0550

Conversions

Conversions Part 2

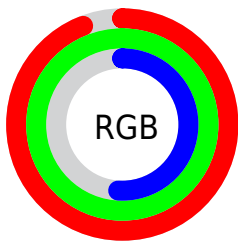
Format	Color
R_{YB}	130, 255, 145
Decimal	15794050
CIE _{Lab}	96.68, -22.17, 57.51
CIE _{LCh}	97, 61.634, 111.082
Yxy	91.6570, 0.3745, 0.4533
Android (android.graphics.Color)	4293984130 (0xFFFF0FF82)
YUV	236.2650, -52.3886, 3.2756
Hunter-Lab	95.7377, -26.3564, 45.4532

Details

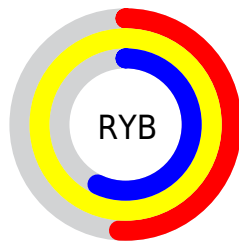
The Yxy color **91.6570, 0.3745, 0.4533** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **29.2056, 0.2283, 0.1768**, and the grayscale version is **84.4845, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2828, 0.3544, 0.3979**, and **50.8551, 0.3843, 0.4791** is the 20% darker color. If you saturate the color by 10%, you get **90.5233, 0.3841, 0.4750**, and if you desaturate by 10%, it is **92.9684, 0.3632, 0.4290**.

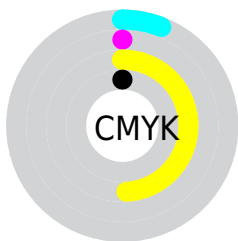
Distribution



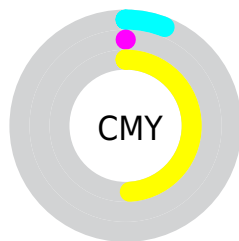
- Red (94%)
- Green (100%)
- Blue (51%)



- Red (51%)
- Yellow (100%)
- Blue (57%)



- Cyan (6%)
- Magenta (0%)
- Yellow (49%)
- Black (0%)




- Cyan (6%)
- Magenta (0%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 91.6570, 0.3745, 0.4533 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 91.6570, 0.3745, 0.4533 by changing the saturation by 10% instead.


 91.6570, 0.3745,
0.4533

 91.6570, 0.3745,
0.4533


533.4064, 0.3499,
0.3976

 69.3558, 0.3790,
0.4652

 149.6379, 0.3669,
0.4346

 51.0015, 0.3838,
0.4793

 186.0864, 0.3636,
0.4271

 36.2098, 0.3890,
0.4963


 228.0194, 0.3607,
0.4206

 24.5963, 0.3941,
0.5168

275.8214, 0.3581,
0.4149

 15.7765, 0.3981,
0.5415

329.8766, 0.3558,
0.4098

 9.3662, 0.4011,
0.5743

390.5696, 0.3536,

 4.9808, 0.3927,

0.4053

0.6073

458.2848, 0.3517,
0.4013

■ 2.2360, 0.3625,
0.6375

■ 0.7395, 0.1794,
0.8206

■ 91.6570, 0.3745,
0.4533

■ 91.6570, 0.3745,
0.4533

■ 90.5233, 0.3841,
0.4750

■ 92.9684, 0.3632,
0.4290

■ 89.5560, 0.3914,
0.4933

■ 94.4705, 0.3507,
0.4033

■ 88.7399, 0.3962,
0.5072

■ 96.1733, 0.3376,
0.3771

■ 88.0578, 0.3983,
0.5166

■ 98.0865, 0.3244,
0.3514

■ 87.4839, 0.3980,
0.5218

100.0000, 0.3127,
0.3290

■ 87.4303, 0.3979,
0.5222

Harmonies

Analogous

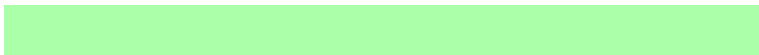
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.6570, 0.4270, 0.4237



91.6570, 0.3745, 0.4533



91.6570, 0.3086, 0.4435

Triad

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



91.6570, 0.3745, 0.4533



91.6570, 0.1923, 0.2597



91.6570, 0.3750, 0.2768

Complementary

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



91.6570, 0.3745, 0.4533



29.2056, 0.2283, 0.1768

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.



91.6570, 0.3046, 0.2416



91.6570, 0.3745, 0.4533



91.6570, 0.2053, 0.2292

Square

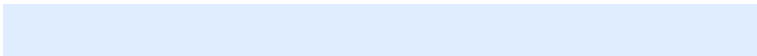
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



91.6570, 0.3745, 0.4533



91.6570, 0.2063, 0.3168



91.6570, 0.2438, 0.2244



91.6570, 0.4308, 0.3240

Rectangle

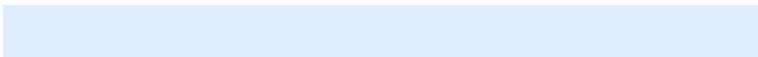
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91.6570, 0.3745, 0.4533



91.6570, 0.2661, 0.4109



91.6570, 0.2438, 0.2244



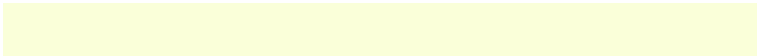
91.6570, 0.3518, 0.2634

Sweetspot

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



91.6565, 0.3745, 0.4533



96.9164, 0.3323, 0.3667



42.9957, 0.4433, 0.3444



20.6598, 0.3351, 0.3722



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

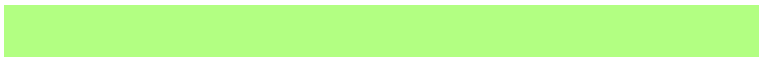
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.6565, 0.3745, 0.4533



90.5253, 0.3841, 0.4750



82.5869, 0.3327, 0.4727



20.9736, 0.3250, 0.3526



45.7280, 0.3983, 0.5219



4.4823, 0.4008, 0.5199

Inverse Universe

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



29.2056, 0.2283, 0.1768



21.4138, 0.2082, 0.1431



36.4630, 0.2767, 0.1948



17.4821, 0.2997, 0.3045



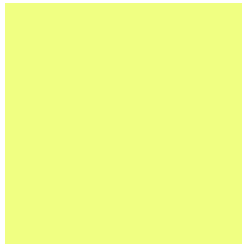
3.9542, 0.1543, 0.0623



0.4167, 0.1617, 0.0664

Previews

White Background



This preview shows how the Yxy color 91.6570, 0.3745, 0.4533 looks on a white background.

Color Contrast Check

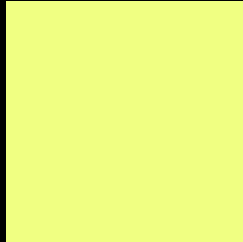
Large Text (above 18pt) WCAG AA × Fail

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 91.6570, 0.3745, 0.4533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

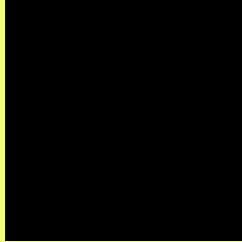
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 91.6570, 0.3745, 0.4533

Background



This preview shows how black text looks on a background with the Yxy color 91.6570, 0.3745, 0.4533.

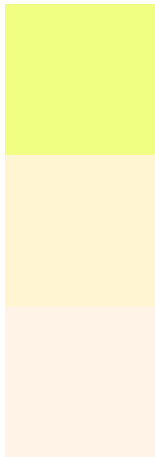


This preview shows how white text looks on a background with the Yxy color 91.6570, 0.3745, 0.4533.

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

91.6570, 0.3745, 0.4533

Protanopia

91.2180, 0.3410, 0.3637

Deuteranopia

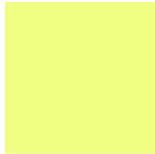
91.1307, 0.3280, 0.3408



Tritanopia

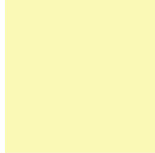
91.4197, 0.3114, 0.3165

Trichromacy



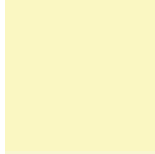
Original Color

91.6570, 0.3745, 0.4533



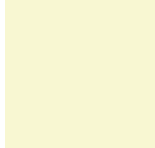
Protanomaly

91.4116, 0.3548, 0.3973



Deuteranomaly

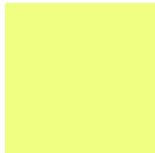
90.7406, 0.3472, 0.3823



Tritanomaly

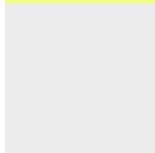
91.1311, 0.3359, 0.3661

Monochromacy



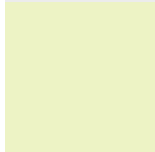
Original Color

91.6570, 0.3745, 0.4533



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

86.1369, 0.3371, 0.3768

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.6570, 0.3745, 0.4533 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(240, 255, 130)` looks like.

```
.text, #text, p{  
    color:rgb(240, 255, 130)  
}
```

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(240, 255, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 255, 130) }
```

Border

The CSS property to change the border of an element to Yxy 91.6570, 0.3745, 0.4533 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(240, 255, 130) }
```

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

```
.border{ border-color:rgb(240, 255, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 255, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 255, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 255, 130);  
box-shadow:4px 4px 4px 4px rgb(240, 255,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 91.6570, 0.3745, 0.4533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 255, 130) }
```

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

```
.background{ background-color: rgb(240,  
255, 130) }
```

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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