

Converting Colors

$Y_{xy}(99.1010, 0.4033, 0.4973)$

Have a look what the booklet for
Yxy(99.1010, 0.4033, 0.4973)
contains.

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Color

Yxy(92.7728, 0.4092, 0.4918)

Conversions

Conversions Part 1

Format	Color
Hex	FDF40
RGB	253, 255, 64
RGB Percent	99%, 100%, 25%
CMY	0.0078, 0.0000, 0.7493
CMYK	0.01, 0.00, 0.75, 0.00
HSL	61°, 100%, 63%
HSV	61°, 75%, 100%
XYZ	77.1912, 92.7728, 18.6753
YIQ	232.6280, 60.1190, -59.8250

Conversions

Conversions Part 2

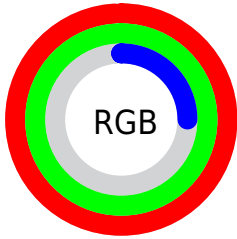
Format	Color
RYB	64, 255, 66
Decimal	16645952
CIELab	97.14, -21.16, 83.94
CIElCh	97, 86.565, 104.147
Yxy	92.7728, 0.4092, 0.4918
Android (android.graphics.Color)	4294836032 (0xFFFFDFF40)
YUV	232.6280, -83.1336, 17.8662
Hunter-Lab	96.3186, -25.5050, 55.9273

Details

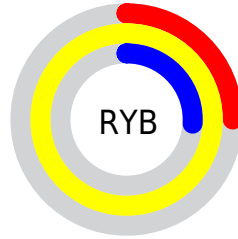
The Yxy color **92.7728, 0.4092, 0.4918** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **12.0327, 0.1703, 0.0926**, and the grayscale version is **81.7861, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2864, 0.3869, 0.4517**, and **52.0533, 0.4132, 0.5101** is the 20% darker color. If you saturate the color by 10%, you get **92.4950, 0.4143, 0.5008**, and if you desaturate by 10%, it is **93.1808, 0.4014, 0.4784**.

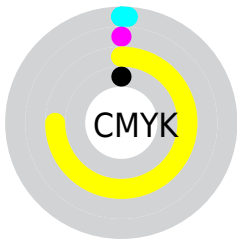
Distribution



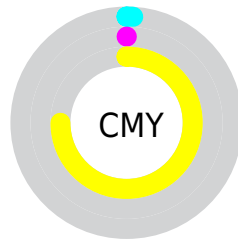
- Red (99%)
- Green (100%)
- Blue (25%)



- Red (25%)
- Yellow (100%)
- Blue (26%)



- Cyan (1%)
- Magenta (0%)
- Yellow (75%)
- Black (0%)



- Cyan (1%)
- Magenta (0%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 92.7728, 0.4092, 0.4918 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 92.7728, 0.4092, 0.4918 by changing the saturation by 10% instead.

 92.7728, 0.4092,
0.4918

 92.7728, 0.4092,
0.4918


537.0100, 0.3740,
0.4234


 70.2827, 0.4144,
0.5047


 151.1840, 0.3992,
0.4701

 51.7570, 0.4194,
0.5191


 187.8739, 0.3947,
0.4611


 36.8114, 0.4236,
0.5349


 230.0658, 0.3905,
0.4530

 25.0615, 0.4258,
0.5518

 278.1442, 0.3866,
0.4458

 16.1229, 0.4271,
0.5729

 332.4934, 0.3830,
0.4393

 9.6112, 0.4154,
0.5846

393.4979, 0.3798,

 5.1419, 0.3981,

0.4335

0.6019

461.5419, 0.3767,
0.4282

■ 2.3308, 0.3701,
0.6299

■ 0.7899, 0.2288,
0.7712

■ 92.7728, 0.4092,
0.4918

■ 92.7728, 0.4092,
0.4918

■ 92.4950, 0.4143,
0.5008

■ 93.1808, 0.4014,
0.4784


■ 92.3311, 0.4169,
0.5055

■ 93.7387, 0.3911,
0.4609


■ 92.2770, 0.4175,
0.5067

■ 94.4588, 0.3788,
0.4400

■ 95.3536, 0.3649,
0.4165

 96.4338, 0.3501,
0.3916

 97.7098, 0.3349,
0.3662

 99.1908, 0.3199,
0.3411

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.



92.7728, 0.4762, 0.4347



92.7728, 0.4092, 0.4918



92.7728, 0.3224, 0.5039

Triad

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



92.7728, 0.4092, 0.4918



92.7728, 0.1550, 0.2454



92.7728, 0.3757, 0.2463

Complementary

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



92.7728, 0.4092, 0.4918



12.0327, 0.1703, 0.0926

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.



92.7728, 0.2784, 0.2065



92.7728, 0.4092, 0.4918



92.7728, 0.1643, 0.2007

Square

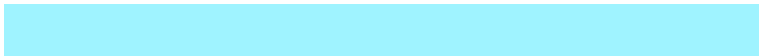
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



92.7728, 0.4092, 0.4918



92.7728, 0.1784, 0.3309



92.7728, 0.2050, 0.1899



92.7728, 0.4635, 0.3028

Rectangle

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



92.7728, 0.4092, 0.4918



92.7728, 0.2641, 0.4684



92.7728, 0.2050, 0.1899



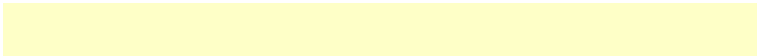
92.7728, 0.3421, 0.2307

Sweetspot

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



92.7716, 0.4092, 0.4918



96.7876, 0.3457, 0.3842



25.2865, 0.5737, 0.3298



20.6464, 0.3498, 0.3911



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.



92.7716, 0.4092, 0.4918



92.3993, 0.4159, 0.5036



79.3070, 0.3455, 0.5365



21.0805, 0.3267, 0.3525



48.2212, 0.4175, 0.5067



4.6981, 0.4177, 0.5065

Inverse Universe

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



12.0327, 0.1703, 0.0926



8.1824, 0.1545, 0.0669



18.2951, 0.2301, 0.1229



17.3868, 0.2980, 0.3044



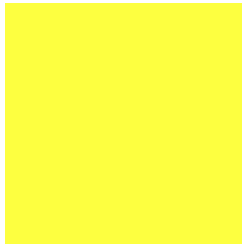
3.7855, 0.1503, 0.0602



0.3716, 0.1511, 0.0606

Previews

White Background



This preview shows how the Yxy color 92.7728, 0.4092, 0.4918 looks on a white background.

Color Contrast Check

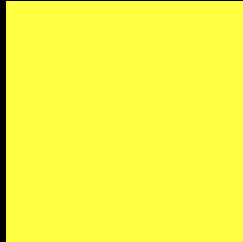
Large Text (above 18pt) WCAG AA × Fail

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 92.7728, 0.4092, 0.4918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

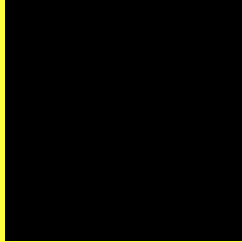
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 92.7728, 0.4092, 0.4918

Background



This preview shows how black text looks on a background with the Yxy color 92.7728, 0.4092, 0.4918.



This preview shows how white text looks on a background with the Yxy color 92.7728, 0.4092, 0.4918.

Color Blindness Simulation

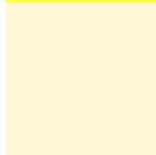
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



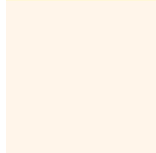
Original Color

92.7728, 0.4092, 0.4918



Protanopia

92.7394, 0.3369, 0.3596



Deuteranopia

92.5053, 0.3259, 0.3398



Tritanopia

92.2633, 0.3163, 0.3223

Trichromacy



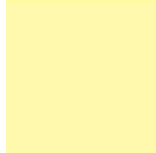
Original Color

92.7728, 0.4092, 0.4918



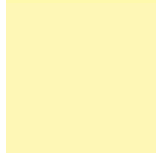
Protanomaly

92.0153, 0.3693, 0.4169



Deuteranomaly

91.8008, 0.3630, 0.4055



Tritanomaly

90.9698, 0.3575, 0.3938

Monochromacy



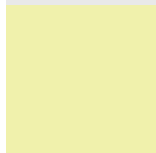
Original Color

92.7728, 0.4092, 0.4918



Achromatopsia

81.4847, 0.3127, 0.3290



Achromatomaly

84.4144, 0.3553, 0.4008

CSS Examples

Text

The CSS property to change the color of the text to Yxy 92.7728, 0.4092, 0.4918 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(253, 255, 64)` looks like.

```
.text, #text, p{  
    color:rgb(253, 255, 64)  
}
```

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(253, 255, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 255, 64) }
```

Border

The CSS property to change the border of an element to Yxy 92.7728, 0.4092, 0.4918 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(253, 255, 64) }
```

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

```
.border{ border-color:rgb(253, 255, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 255, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 255, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 255, 64);  
box-shadow:4px 4px 4px 4px rgb(253, 255,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 92.7728, 0.4092, 0.4918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 255, 64) }
```

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

```
.background{ background-color: rgb(253,  
255, 64) }
```

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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