

Converting Colors

$Yxy(82.1083, 0.4269, 0.4865)$

Have a look what the booklet for
Yxy(82.1083, 0.4269, 0.4865)
contains.

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Color

Yxy(82.0256, 0.4270, 0.4863)

Conversions

Conversions Part 1

Format	Color
Hex	FFED2E
RGB	255, 237, 46
RGB Percent	100%, 93%, 18%
CMY	0.0000, 0.0706, 0.8195
CMYK	0.00, 0.07, 0.82, 0.00
HSL	55°, 100%, 59%
HSV	55°, 82%, 100%
XYZ	72.0233, 82.0256, 14.6239
YIQ	220.6080, 72.0390, -55.5850

Conversions

Conversions Part 2

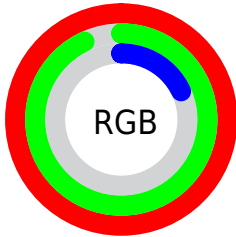
Format	Color
R _{YB}	66, 255, 46
Decimal	16772398
CIE _{Lab}	92.59, -12.20, 84.79
CIE _{LCh}	93, 85.668, 98.188
Y _{xy}	82.0256, 0.4270, 0.4863
Android (android.graphics.Color)	4294962478 (0xFFFFE2E)
Y _{UV}	220.6080, -86.0817, 30.1618
Hunter-Lab	90.5680, -16.5436, 53.8241

Details

The Yxy color **82.0256, 0.4270, 0.4863** 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 **11.4725, 0.1639, 0.0895**, and the grayscale version is **72.5966, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9277, 0.3939, 0.4633**, and **44.9252, 0.4306, 0.4963** is the 20% darker color. If you saturate the color by 10%, you get **80.6165, 0.4327, 0.4911**, and if you desaturate by 10%, it is **83.5699, 0.4185, 0.4770**.

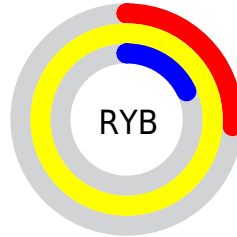
Distribution



Red (100%)

Green (93%)

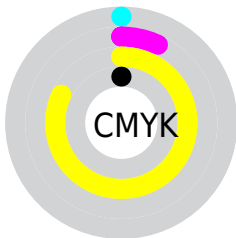
Blue (18%)



Red (26%)

Yellow (100%)

Blue (18%)

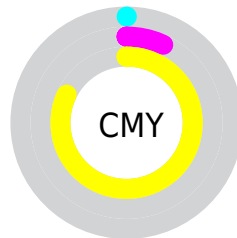


Cyan (0%)

Magenta (7%)

Yellow (82%)

Black (0%)



Cyan (0%)


Magenta (7%)

Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.0256, 0.4270, 0.4863 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 82.0256, 0.4270, 0.4863 by changing the saturation by 10% instead.


 82.0256, 0.4270,
0.4863

 82.0256, 0.4270,
0.4863


501.7333, 0.3835,
0.4212


 61.3866, 0.4337,
0.4980


 136.2099, 0.4144,
0.4661

 44.5373, 0.4403,
0.5107


 170.5240, 0.4087,
0.4575

 31.0931, 0.4461,
0.5240


 210.1653, 0.4036,
0.4498

 20.6698, 0.4509,
0.5384

 255.5182, 0.3988,
0.4429

 12.8828, 0.4503,
0.5497

 306.9671, 0.3944,
0.4366

 7.3479, 0.4425,
0.5575

364.8963, 0.3905,

 3.6806, 0.4306,

0.4310

0.5694

429.6902, 0.3868,
0.4259

■ 1.4966, 0.4101,
0.5899

■ 0.2863, 0.0000,
1.0000

■ 82.0256, 0.4270,
0.4863

■ 82.0256, 0.4270,
0.4863

■ 80.6165, 0.4327,
0.4911


■ 83.5699, 0.4185,
0.4770

■ 79.5572, 0.4356,
0.4923


■ 85.2672, 0.4073,
0.4632


■ 87.1330, 0.3939,
0.4457

■ 89.1807, 0.3790,
0.4252

 91.4220, 0.3631,
0.4029

 93.8678, 0.3469,
0.3796

 96.5280, 0.3309,
0.3562

 99.4118, 0.3156,
0.3333

 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.



82.0256, 0.4896, 0.4228



82.0256, 0.4270, 0.4863



82.0256, 0.3402, 0.5131

Triad

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



82.0256, 0.4270, 0.4863



82.0256, 0.1531, 0.2567



82.0256, 0.3568, 0.2344

Complementary

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



82.0256, 0.4270, 0.4863



11.4725, 0.1639, 0.0895

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.



82.0256, 0.2597, 0.1981



82.0256, 0.4270, 0.4863



82.0256, 0.1564, 0.2033

Square

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



82.0256, 0.4270, 0.4863



82.0256, 0.1839, 0.3524



82.0256, 0.1913, 0.1863



82.0256, 0.4532, 0.2894

Rectangle

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



82.0256, 0.4270, 0.4863



82.0256, 0.2795, 0.4883



82.0256, 0.1913, 0.1863



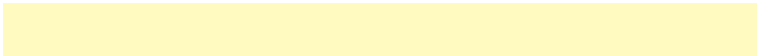
82.0256, 0.3224, 0.2198

Sweetspot

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



82.0258, 0.4270, 0.4863



93.0988, 0.3518, 0.3867



23.6212, 0.5808, 0.3174



19.7428, 0.3575, 0.3949



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.



82.0258, 0.4270, 0.4863



79.8175, 0.4349, 0.4921



80.4221, 0.3569, 0.5402



20.8072, 0.3271, 0.3505



41.6815, 0.4353, 0.4926



4.1339, 0.4333, 0.4942

Inverse Universe

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



11.4725, 0.1639, 0.0895



8.0198, 0.1520, 0.0659



13.8927, 0.2044, 0.1008



17.6291, 0.2979, 0.3066



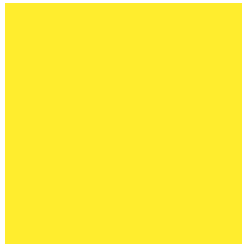
4.1574, 0.1515, 0.0655



0.4865, 0.1547, 0.0770

Previews

White Background



This preview shows how the Yxy color 82.0256, 0.4270, 0.4863 looks on a white background.

Color Contrast Check

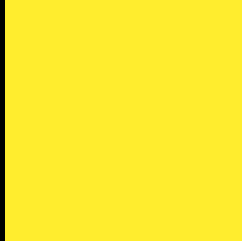
Large Text (above 18pt) WCAG AA × Fail

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 82.0256, 0.4270, 0.4863 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 82.0256, 0.4270, 0.4863

Background



This preview shows how black text looks on a background with the Yxy color 82.0256, 0.4270, 0.4863.



This preview shows how white text looks on a background with the Yxy color 82.0256, 0.4270, 0.4863.

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

82.0256, 0.4270, 0.4863

Protanopia

81.8832, 0.3909, 0.4262

Deuteranopia

81.9308, 0.3517, 0.3614



Tritanopia

81.7088, 0.3265, 0.3192

Trichromacy



Original Color

82.0256, 0.4270, 0.4863



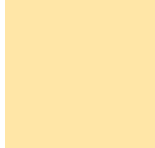
Protanomaly

81.6559, 0.4083, 0.4542



Deuteranomaly

81.5210, 0.3871, 0.4189



Tritanomaly

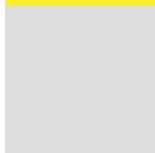
80.6436, 0.3728, 0.3929

Monochromacy



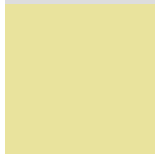
Original Color

82.0256, 0.4270, 0.4863



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

74.6961, 0.3637, 0.4046

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.0256, 0.4270, 0.4863 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, 237, 46)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 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(255, 237, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 46) }
```

Border

The CSS property to change the border of an element to Yxy 82.0256, 0.4270, 0.4863 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, 237, 46) }
```

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

```
.border{ border-color:rgb(255, 237, 46) }
```

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

Here you see how a box with a 4 pixel rgb(255, 237, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 46);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 82.0256, 0.4270, 0.4863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 237, 46) }
```

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

```
.background{ background-color: rgb(255,  
237, 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](#).

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