

Converting Colors

$Y_{xy}(16.9885, 0.2733, 0.4829)$

Have a look what the booklet for
Yxy(16.9885, 0.2733, 0.4829)
contains.

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Color

Yxy(17.1042, 0.2734, 0.4838)

Conversions

Conversions Part 1

Format	Color
Hex	158446
RGB	21, 132, 70
RGB Percent	8%, 52%, 27%
CMY	0.9176, 0.4823, 0.7255
CMYK	0.84, 0.00, 0.47, 0.48
HSL	146°, 73%, 30%
HSV	146°, 84%, 52%
XYZ	9.6657, 17.1042, 8.5839
YIQ	91.7430, -46.2540, -42.8140

Conversions

Conversions Part 2

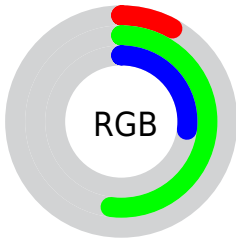
Format	Color
R_{YB}	21, 98, 132
Decimal	1410118
CIE Lab	48.39, -44.16, 25.26
CIE LCh	48, 50.879, 150.231
Yxy	17.1042, 0.2734, 0.4838
Android (android.graphics.Color)	4279600198 (0xFF158446)
YUV	91.7430, -10.7193, -62.0416
Hunter-Lab	41.3572, -30.6573, 16.6441

Details

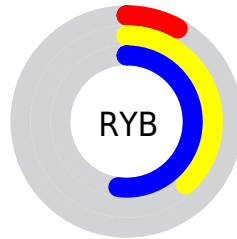
The Yxy color **17.1042, 0.2734, 0.4838** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **6.0673, 0.4335, 0.2318**, and the grayscale version is **10.6739, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.4760, 0.2857, 0.4429**, and **5.9508, 0.2849, 0.5456** is the 20% darker color. If you saturate the color by 10%, you get **16.9083, 0.2751, 0.5037**, and if you desaturate by 10%, it is **17.3879, 0.2734, 0.4629**.

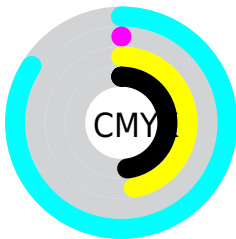
Distribution



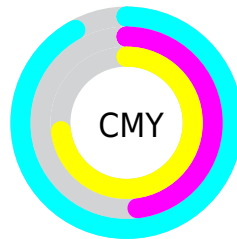
- Red (8%)
- Green (52%)
- Blue (27%)



- Red (8%)
- Yellow (38%)
- Blue (52%)



- Cyan (84%)
- Magenta (0%)
- Yellow (47%)
- Black (48%)





- Cyan (92%)
- Magenta (48%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.1042, 0.2734, 0.4838 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 17.1042, 0.2734, 0.4838 by changing the saturation by 10% instead.


 17.1042, 0.2734,
0.4838


 17.1042, 0.2734,
0.4838


235.7721, 0.2997,
0.3875


 10.3088, 0.2629,
0.5174


 38.5048, 0.2853,
0.4427


 5.6042, 0.2458,
0.5682

 53.8789, 0.2890,
0.4292

 2.6059, 0.2190,
0.6658

 72.8813, 0.2918,
0.4186

 0.9296, 0.0000,
1.0000

 95.8964, 0.2941,
0.4100

 0.0000, 0.0000,
0.0000

 123.3087, 0.2959,
0.4029

 155.5024, 0.2974,

0.3969

192.8621, 0.2986,
0.3918

■ 17.1042, 0.2734,
0.4838

■ 17.1042, 0.2734,
0.4838

■ 16.9083, 0.2751,
0.5037

■ 17.3879, 0.2734,
0.4629

■ 16.8114, 0.2764,
0.5151

■ 17.7692, 0.2752,
0.4417

■ 18.2578, 0.2786,
0.4208

■ 18.8618, 0.2834,
0.4008

■ 19.5887, 0.2891,
0.3819

■ 20.4450, 0.2956,
0.3645

■ 21.4369, 0.3026,
0.3487

■ 22.5702, 0.3098,
0.3344

■ 23.8503, 0.3170,
0.3217

Harmonies

Analogous

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



17.1042, 0.3644, 0.5126



17.1042, 0.2734, 0.4838



17.1042, 0.1982, 0.3828

Triad

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



17.1042, 0.2734, 0.4838



17.1042, 0.1787, 0.1876



17.1042, 0.4969, 0.3364

Complementary

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



17.1042, 0.2734, 0.4838



6.0673, 0.4335, 0.2318

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.



17.1042, 0.4306, 0.2734



17.1042, 0.2734, 0.4838



17.1042, 0.2382, 0.1923

Square

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



17.1042, 0.2734, 0.4838



17.1042, 0.1523, 0.2133



17.1042, 0.3294, 0.2225



17.1042, 0.4993, 0.4045

Rectangle

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



17.1042, 0.2734, 0.4838



17.1042, 0.1669, 0.3094



17.1042, 0.3294, 0.2225



17.1042, 0.4813, 0.3146

Sweetspot

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



17.1049, 0.2734, 0.4838



35.7752, 0.2946, 0.3670



18.4380, 0.3529, 0.5406



8.2203, 0.2926, 0.3721



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



17.1049, 0.2734, 0.4838



29.5826, 0.2775, 0.5190



18.1334, 0.2331, 0.3454



5.2364, 0.3061, 0.3414



16.2779, 0.2763, 0.5148



0.0578, 0.2538, 0.4336

Inverse Universe

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



6.0673, 0.4335, 0.2318



9.4757, 0.4701, 0.2363



5.5282, 0.5816, 0.3216



4.7290, 0.3199, 0.3169



5.2264, 0.4658, 0.2340



0.0196, 0.3898, 0.1921

Previews

White Background



This preview shows how the Yxy color 17.1042, 0.2734, 0.4838 looks on a white 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 × Fail

Black Background



This preview shows how the Yxy color 17.1042, 0.2734, 0.4838 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.1042, 0.2734, 0.4838

Background



This preview shows how black text looks on a background with the Yxy color 17.1042, 0.2734, 0.4838.



This preview shows how white text looks on a background with the Yxy color 17.1042, 0.2734, 0.4838.

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

17.1042, 0.2734, 0.4838

Protanopia

16.8404, 0.3919, 0.4245

Deuteranopia

16.7774, 0.3970, 0.3898



Tritanopia

17.1734, 0.2357, 0.3073

Trichromacy



Original Color

17.1042, 0.2734, 0.4838



Protanomaly

16.1428, 0.3324, 0.4530



Deuteranomaly

15.6499, 0.3345, 0.4251



Tritanomaly

17.0575, 0.2485, 0.3685

Monochromacy



Original Color

17.1042, 0.2734, 0.4838



Achromatopsia

10.7023, 0.3127, 0.3290



Achromatomaly

12.3137, 0.2872, 0.3884

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1042, 0.2734, 0.4838 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(21, 132, 70)` looks like.

```
.text, #text, p{  
    color:rgb(21, 132, 70)  
}
```

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(21, 132, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 132, 70) }
```

Border

The CSS property to change the border of an element to Yxy 17.1042, 0.2734, 0.4838 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(21, 132, 70) }
```

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

```
.border{ border-color:rgb(21, 132, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 132, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 132, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 132, 70);  
box-shadow:4px 4px 4px 4px rgb(21, 132,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 17.1042, 0.2734, 0.4838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 132, 70) }
```

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

```
.background{ background-color: rgb(21, 132,  
70) }
```

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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