

Converting Colors

$Yxy(41.3637, 0.2802, 0.4256)$

Have a look what the booklet for
Yxy(41.3637, 0.2802, 0.4256)
contains.

Yxy(41.1792, 0.2800, 0.4242)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(41.1792, 0.2800, 0.4242)

Conversions

Conversions Part 1

Format	Color
Hex	5BBF85
RGB	91, 191, 133
RGB Percent	36%, 75%, 52%
CMY	0.6431, 0.2510, 0.4783
CMYK	0.52, 0.00, 0.30, 0.25
HSL	145°, 44%, 55%
HSV	145°, 52%, 75%
XYZ	27.1810, 41.1792, 28.7148
YIQ	154.4880, -40.9820, -39.2380

Conversions

Conversions Part 2

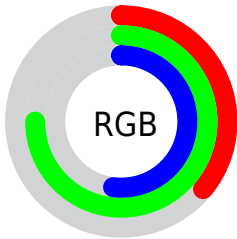
Format	Color
RYB	91, 161, 191
Decimal	6012805
CIELab	70.30, -42.57, 20.54
CIElCh	70, 47.267, 154.245
Yxy	41.1792, 0.2800, 0.4242
Android (android.graphics.Color)	4284202885 (0xFF5BBF85)
YUV	154.4880, -10.5936, -55.6790
Hunter-Lab	64.1710, -36.6918, 18.3891

Details

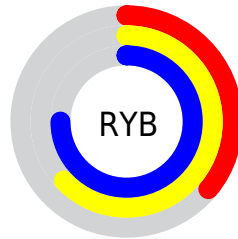
The Yxy color $41.1792, 0.2800, 0.4242$ is a dark color, and the websafe version is hex $66CC99$. A complement of this color would be $20.7305, 0.3729, 0.2522$, and the grayscale version is $32.6046, 0.3127, 0.3290$.

A 20% lighter version of the original color is $76.8830, 0.2870, 0.4051$, and $18.7627, 0.2681, 0.4579$ is the 20% darker color. If you saturate the color by 10%, you get $40.0402, 0.2767, 0.4466$, and if you desaturate by 10%, it is $42.6009, 0.2847, 0.4027$.

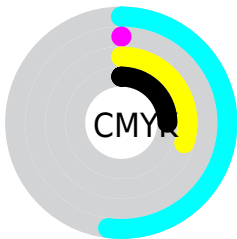
Distribution



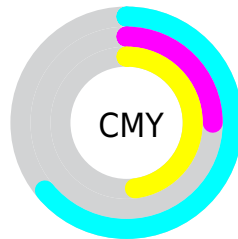
- Red (36%)
- Green (75%)
- Blue (52%)



- Red (36%)
- Yellow (63%)
- Blue (75%)



- Cyan (52%)
- Magenta (0%)
- Yellow (30%)
- Black (25%)





- Cyan (64%)
- Magenta (25%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.1792, 0.2800, 0.4242 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 41.1792, 0.2800, 0.4242 by changing the saturation by 10% instead.


 41.1792, 0.2800,
0.4242


 41.1792, 0.2800,
0.4242


351.0690, 0.2981,
0.3728

 28.4591, 0.2749,
0.4383


 76.9559, 0.2870,
0.4046

 18.6720, 0.2679,
0.4573


 100.7812, 0.2895,
0.3975

 11.4335, 0.2579,
0.4839


 129.0772, 0.2916,
0.3916

 6.3592, 0.2424,
0.5239

 162.2280, 0.2933,
0.3867

 3.0647, 0.2161,
0.5893

200.6183, 0.2948,
0.3825

 1.1656, 0.0369,
0.9631

244.6323, 0.2960,

 0.0334, 0.0000,

0.3788

1.0000

294.6544, 0.2971,
0.3756

■ 0.0000, 0.0000,
0.0000

■ 41.1792, 0.2800,
0.4242

■ 41.1792, 0.2800,
0.4242

■ 40.0402, 0.2767,
0.4466

■ 42.6009, 0.2847,
0.4027

■ 39.1587, 0.2750,
0.4692

■ 44.3182, 0.2905,
0.3826

■ 38.5134, 0.2752,
0.4913

■ 46.3494, 0.2970,
0.3641

■ 38.0769, 0.2773,
0.5122

■ 48.7098, 0.3039,
0.3473

■ 37.8448, 0.2797,
0.5270

■ 51.4135, 0.3110,
0.3323

■ 54.4740, 0.3182,
0.3190

■ 57.9040, 0.3252,
0.3072

■ 61.7154, 0.3320,
0.2969

■ 64.3878, 0.3323,
0.2871

Harmonies

Analogous

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



41.1792, 0.3462, 0.4551



41.1792, 0.2800, 0.4242



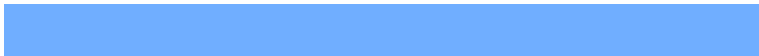
41.1792, 0.2260, 0.3571

Triad

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



41.1792, 0.2800, 0.4242



41.1792, 0.2190, 0.2240



41.1792, 0.4445, 0.3465

Complementary

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



41.1792, 0.2800, 0.4242



20.7305, 0.3729, 0.2522

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.



41.1792, 0.4030, 0.2964



41.1792, 0.2800, 0.4242



41.1792, 0.2681, 0.2293

Square

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



41.1792, 0.2800, 0.4242



41.1792, 0.1947, 0.2428



41.1792, 0.3356, 0.2551



41.1792, 0.4444, 0.3979

Rectangle

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



41.1792, 0.2800, 0.4242



41.1792, 0.2034, 0.3096



41.1792, 0.3356, 0.2551



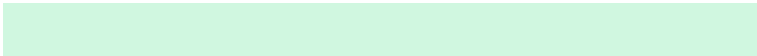
41.1792, 0.4349, 0.3293

Sweetspot

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



41.1809, 0.2800, 0.4242



85.5167, 0.3012, 0.3536



44.4390, 0.3502, 0.4720



18.5852, 0.2997, 0.3571



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



41.1809, 0.2800, 0.4242



71.4206, 0.2763, 0.4503



42.8918, 0.2505, 0.3415



10.7144, 0.3060, 0.3426



24.8863, 0.2790, 0.5244



0.9879, 0.2655, 0.4757

Inverse Universe

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



20.7305, 0.3729, 0.2522



30.7813, 0.3932, 0.2387



19.4684, 0.4496, 0.3183



9.6266, 0.3200, 0.3158



8.0462, 0.4603, 0.2309



0.3280, 0.4184, 0.2078

Previews

White Background



This preview shows how the Yxy color 41.1792, 0.2800, 0.4242 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 41.1792, 0.2800, 0.4242 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 41.1792, 0.2800, 0.4242

Background



This preview shows how black text looks on a background with the Yxy color 41.1792, 0.2800, 0.4242.



This preview shows how white text looks on a background with the Yxy color 41.1792, 0.2800, 0.4242.

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

41.1792, 0.2800, 0.4242

Protanopia

40.7714, 0.3662, 0.3933

Deuteranopia

40.4208, 0.3691, 0.3619



Tritanopia

41.1323, 0.2485, 0.3068

Trichromacy



Original Color

41.1792, 0.2800, 0.4242

Protanomaly

39.8571, 0.3290, 0.4057

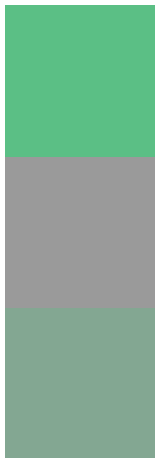
Deuteranomaly

39.4492, 0.3300, 0.3834

Tritanomaly

40.9986, 0.2599, 0.3474

Monochromacy



Original Color

41.1792, 0.2800, 0.4242

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

34.5381, 0.2978, 0.3625

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.1792, 0.2800, 0.4242 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(91, 191, 133)` looks like.

```
.text, #text, p{  
    color:rgb(91, 191, 133)  
}
```

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(91, 191, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 191, 133) }
```

Border

The CSS property to change the border of an element to Yxy 41.1792, 0.2800, 0.4242 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(91, 191, 133) }
```

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

```
.border{ border-color:rgb(91, 191, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 191, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 191, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 191, 133);  
box-shadow:4px 4px 4px 4px rgb(91, 191,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 41.1792, 0.2800, 0.4242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 191, 133) }
```

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

```
.background{ background-color: rgb(91, 191,  
133) }
```

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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