

Converting Colors

$Yxy(42.8841, 0.2992, 0.4232)$

Have a look what the booklet for
Yxy(42.8841, 0.2992, 0.4232)
contains.

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Color

Yxy(42.8222, 0.2995, 0.4227)

Conversions

Conversions Part 1

Format	Color
Hex	77BF83
RGB	119, 191, 131
RGB Percent	47%, 75%, 51%
CMY	0.5331, 0.2510, 0.4862
CMYK	0.38, 0.00, 0.31, 0.25
HSL	130°, 36%, 61%
HSV	130°, 38%, 75%
XYZ	30.3413, 42.8222, 28.1429
YIQ	162.6320, -23.6520, -33.9240

Conversions

Conversions Part 2

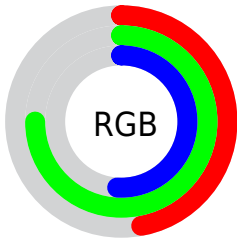
Format	Color
RYB	119, 181, 191
Decimal	7847811
CIELab	71.43, -35.15, 23.35
CIElCh	71, 42.201, 146.407
Yxy	42.8222, 0.2995, 0.4227
Android (android.graphics.Color)	4286037891 (0xFF77BF83)
YUV	162.6320, -15.5946, -38.2653
Hunter-Lab	65.4387, -31.7545, 20.3085

Details

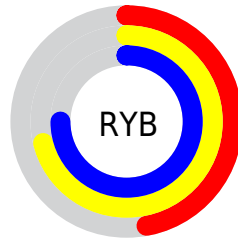
The Yxy color $42.8222, 0.2995, 0.4227$ is a dark color, and the websafe version is hex $66CC99$. A complement of this color would be $27.5383, 0.3298, 0.2507$, and the grayscale version is $36.5332, 0.3127, 0.3290$.

A 20% lighter version of the original color is $79.5942, 0.3032, 0.4044$, and $19.6437, 0.2933, 0.4544$ is the 20% darker color. If you saturate the color by 10%, you get $41.2058, 0.2966, 0.4530$, and if you desaturate by 10%, it is $44.7802, 0.3028, 0.3942$.

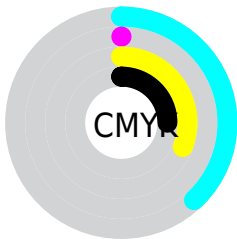
Distribution



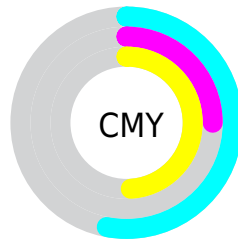
- Red (47%)
- Green (75%)
- Blue (51%)



- Red (47%)
- Yellow (71%)
- Blue (75%)



- Cyan (38%)
- Magenta (0%)
- Yellow (31%)
- Black (25%)





- Cyan (53%)
- Magenta (25%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.8222, 0.2995, 0.4227 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 42.8222, 0.2995, 0.4227 by changing the saturation by 10% instead.


 42.8222, 0.2995,
0.4227

 42.8222, 0.2995,
0.4227


357.8801, 0.3076,
0.3727


 29.7456, 0.2969,
0.4362


 79.4425, 0.3028,
0.4037

 19.6456, 0.2933,
0.4543


 103.7550, 0.3039,
0.3969

 12.1377, 0.2878,
0.4793


 132.5816, 0.3049,
0.3911

 6.8375, 0.2786,
0.5163

166.3067, 0.3056,
0.3863

 3.3607, 0.2617,
0.5754

205.3147, 0.3062,
0.3821

 1.3228, 0.2069,
0.7931

249.9900, 0.3067,

 0.1588, 0.0000,

0.3786

1.0000

300.7170, 0.3072,
0.3754

0.0000, 0.0000,
0.0000

42.8222, 0.2995,
0.4227

42.8222, 0.2995,
0.4227

41.2058, 0.2966,
0.4530

44.7802, 0.3028,
0.3942

39.9061, 0.2944,
0.4840

47.0922, 0.3064,
0.3682

38.9037, 0.2931,
0.5143


49.7765, 0.3100,
0.3450

38.1744, 0.2929,
0.5419


52.8486, 0.3135,
0.3245


37.6905, 0.2938,
0.5650

56.3233, 0.3169,
0.3065

 37.4121, 0.2956,
0.5822

 60.2144, 0.3201,
0.2910

 37.3621, 0.2960,
0.5855

 64.5350, 0.3231,
0.2775

 65.7392, 0.3157,
0.2663

Harmonies

Analogous

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



42.8222, 0.3587, 0.4399



42.8222, 0.2995, 0.4227



42.8222, 0.2468, 0.3706

Triad

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



42.8222, 0.2995, 0.4227



42.8222, 0.2210, 0.2375



42.8222, 0.4225, 0.3337

Complementary

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



42.8222, 0.2995, 0.4227



27.5383, 0.3298, 0.2507

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.



42.8222, 0.3782, 0.2896



42.8222, 0.2995, 0.4227



42.8222, 0.2600, 0.2364

Square

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



42.8222, 0.2995, 0.4227



42.8222, 0.2050, 0.2613



42.8222, 0.3169, 0.2552



42.8222, 0.4329, 0.3803

Rectangle

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



42.8222, 0.2995, 0.4227



42.8222, 0.2220, 0.3285



42.8222, 0.3169, 0.2552



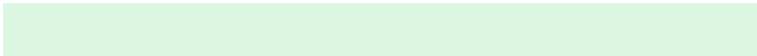
42.8222, 0.4109, 0.3183

Sweetspot

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



42.8240, 0.2995, 0.4227



87.3915, 0.3087, 0.3528



48.3201, 0.3588, 0.4246



19.0439, 0.3082, 0.3560



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.



42.8240, 0.2995, 0.4227



74.3249, 0.2971, 0.4470



43.9314, 0.2765, 0.3668



10.6748, 0.3094, 0.3487



24.5637, 0.2955, 0.5838



0.9704, 0.2844, 0.5438

Inverse Universe

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



27.5383, 0.3298, 0.2507



43.1068, 0.3345, 0.2348



26.3030, 0.3713, 0.2947



9.6683, 0.3162, 0.3101



8.9402, 0.3674, 0.1797



0.3576, 0.3545, 0.1726

Previews

White Background



This preview shows how the Yxy color 42.8222, 0.2995, 0.4227 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 42.8222, 0.2995, 0.4227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

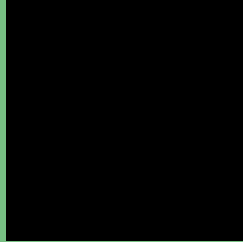
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.8222, 0.2995, 0.4227

Background



This preview shows how black text looks on a background with the Yxy color 42.8222, 0.2995, 0.4227.



This preview shows how white text looks on a background with the Yxy color 42.8222, 0.2995, 0.4227.

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

42.8222, 0.2995, 0.4227

Protanopia

42.4187, 0.3689, 0.3960

Deuteranopia

42.2524, 0.3767, 0.3687



Tritanopia

42.8847, 0.2644, 0.3091

Trichromacy



Original Color

42.8222, 0.2995, 0.4227



Protanomaly

41.9614, 0.3405, 0.4053



Deuteranomaly

41.6561, 0.3452, 0.3880



Tritanomaly

42.7241, 0.2771, 0.3482

Monochromacy



Original Color

42.8222, 0.2995, 0.4227



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

38.3245, 0.3076, 0.3621

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8222, 0.2995, 0.4227 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(119, 191, 131)` looks like.

```
.text, #text, p{  
    color:rgb(119, 191, 131)  
}
```

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(119, 191, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 191, 131) }
```

Border

The CSS property to change the border of an element to Yxy 42.8222, 0.2995, 0.4227 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(119, 191, 131) }
```

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

```
.border{ border-color:rgb(119, 191, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 191, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 191, 131); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 191, 131); box-shadow:4px 4px 4px 4px rgb(119, 191, 131) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8222, 0.2995, 0.4227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 191, 131) }
```

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

```
.background{ background-color: rgb(119,  
191, 131) }
```

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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