

Converting Colors

$Yxy(42.3527, 0.2765, 0.3630)$

Have a look what the booklet for
Yxy(42.3527, 0.2765, 0.3630)
contains.

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Color

Yxy(42.1792, 0.2764, 0.3624)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 77BBA5 |
| RGB | 119, 187, 165 |
| RGB Percent | 47%, 73%, 65% |
| CMY | 0.5333, 0.2667, 0.3530 |
| CMYK | 0.36, 0.00, 0.12, 0.27 |
| HSL | 161°, 33%, 60% |
| HSV | 161°, 36%, 73% |
| XYZ | 32.1698, 42.1792, 42.0395 |
| YIQ | 164.1600, -33.4660, -21.2580 |

Conversions

Conversions Part 2

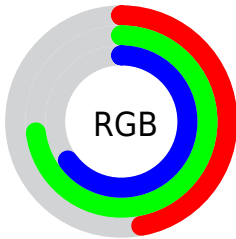
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 119, 160, 187 |
| Decimal | 7846821 |
| CIELab | 70.99, -26.53, 4.36 |
| CIElCh | 71, 26.881, 170.674 |
| Yxy | 42.1792, 0.2764, 0.3624 |
| Android (android.graphics.Color) | 4286036901 (0xFF77BBA5) |
| YUV | 164.1600, 0.4141, -39.6053 |
| Hunter-Lab | 64.9455, -25.2374, 7.0832 |

Details

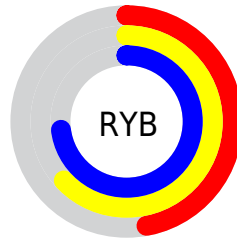
The Yxy color **42.1792, 0.2764, 0.3624** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **25.6847, 0.3706, 0.2984**, and the grayscale version is **37.2159, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2672, 0.2835, 0.3554**, and **19.1256, 0.2652, 0.3725** is the 20% darker color. If you saturate the color by 10%, you get **40.7700, 0.2685, 0.3734**, and if you desaturate by 10%, it is **43.8625, 0.2855, 0.3521**.

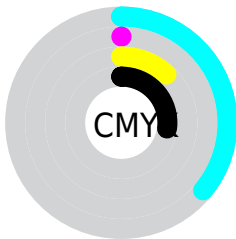
Distribution



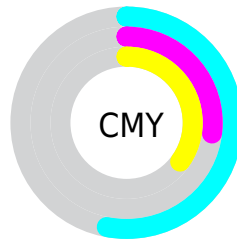
- Red (47%)
- Green (73%)
- Blue (65%)



- Red (47%)
- Yellow (63%)
- Blue (73%)



- Cyan (36%)
- Magenta (0%)
- Yellow (12%)
- Black (27%)





- Cyan (53%)
- Magenta (27%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.1792, 0.2764, 0.3624 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 42.1792, 0.2764, 0.3624 by changing the saturation by 10% instead.

 42.1792, 0.2764,
0.3624


 42.1792, 0.2764,
0.3624


355.2253, 0.2950,
0.3451

 29.2416, 0.2716,
0.3669


 78.4708, 0.2833,
0.3560

 19.2637, 0.2654,
0.3728


 102.5936, 0.2858,
0.3536

 11.8610, 0.2570,
0.3810


 131.2135, 0.2879,
0.3516

 6.6491, 0.2450,
0.3927

164.7151, 0.2898,
0.3499

 3.2436, 0.2265,
0.4113

203.4827, 0.2913,
0.3485

 1.2602, 0.1825,
0.4515

247.9006, 0.2927,

 0.1101, 0.0000,

0.3472

1.0000

298.3534, 0.2939,
0.3461

0.0000, 0.0000,
0.0000

42.1792, 0.2764,
0.3624

42.1792, 0.2764,
0.3624

40.7700, 0.2685,
0.3734

43.8625, 0.2855,
0.3521

39.6145, 0.2620,
0.3850

45.8291, 0.2954,
0.3427

38.6971, 0.2572,
0.3971


48.0939, 0.3059,
0.3340


37.9986, 0.2544,
0.4094


50.6693, 0.3167,
0.3263

37.4967, 0.2535,
0.4218

53.5669, 0.3276,
0.3193

 37.1622, 0.2545,
0.4339

 56.7978, 0.3384,
0.3132

 37.0605, 0.2551,
0.4384

 60.3725, 0.3491,
0.3078

 61.6273, 0.3483,
0.3020

 61.9413, 0.3433,
0.2959

Harmonies

Analogous

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



42.1792, 0.3130, 0.3907



42.1792, 0.2764, 0.3624



42.1792, 0.2505, 0.3246

Triad

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



42.1792, 0.2764, 0.3624



42.1792, 0.2726, 0.2661



42.1792, 0.3904, 0.3595

Complementary

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



42.1792, 0.2764, 0.3624



25.6847, 0.3706, 0.2984

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.



42.1792, 0.3787, 0.3279



42.1792, 0.2764, 0.3624



42.1792, 0.3086, 0.2762

Square

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



42.1792, 0.2764, 0.3624



42.1792, 0.2485, 0.2708



42.1792, 0.3480, 0.2982



42.1792, 0.3797, 0.3859

Rectangle

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



42.1792, 0.2764, 0.3624



42.1792, 0.2421, 0.3012



42.1792, 0.3480, 0.2982



42.1792, 0.3890, 0.3491

Sweetspot

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



42.1809, 0.2764, 0.3624



84.1106, 0.3008, 0.3381



42.5960, 0.3260, 0.4312



18.4019, 0.2993, 0.3393



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



42.1809, 0.2764, 0.3624



73.4006, 0.2697, 0.3716



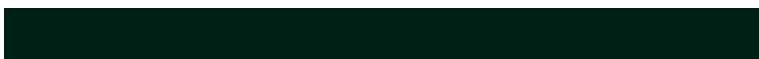
38.4323, 0.2600, 0.3119



10.7556, 0.3027, 0.3365



25.5478, 0.2547, 0.4369



1.0122, 0.2466, 0.4078

Inverse Universe

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



25.6847, 0.3706, 0.2984



39.3427, 0.3906, 0.2914



27.9536, 0.3933, 0.3452



9.5859, 0.3239, 0.3216



7.5198, 0.5647, 0.2885



0.3068, 0.4955, 0.2503

Previews

White Background



This preview shows how the Yxy color 42.1792, 0.2764, 0.3624 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 42.1792, 0.2764, 0.3624 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 42.1792, 0.2764, 0.3624

Background



This preview shows how black text looks on a background with the Yxy color 42.1792, 0.2764, 0.3624.



This preview shows how white text looks on a background with the Yxy color 42.1792, 0.2764, 0.3624.

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

42.1792, 0.2764, 0.3624

Protanopia

41.6427, 0.3329, 0.3495

Deuteranopia

41.5784, 0.3334, 0.3264



Tritanopia

41.9991, 0.2603, 0.3074

Trichromacy



Original Color

42.1792, 0.2764, 0.3624

Protanomaly

41.2514, 0.3098, 0.3534

Deuteranomaly

41.0986, 0.3097, 0.3374

Tritanomaly

42.0688, 0.2662, 0.3274

Monochromacy



Original Color

42.1792, 0.2764, 0.3624

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

38.4813, 0.2981, 0.3408

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1792, 0.2764, 0.3624 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, 187, 165)` looks like.

```
.text, #text, p{  
    color:rgb(119, 187, 165)  
}
```

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, 187, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 187, 165) }
```

Border

The CSS property to change the border of an element to Yxy 42.1792, 0.2764, 0.3624 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, 187, 165) }
```

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

```
.border{ border-color:rgb(119, 187, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 187, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 187, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 187, 165);  
box-shadow:4px 4px 4px 4px rgb(119, 187,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1792, 0.2764, 0.3624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 187, 165) }
```

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

```
.background{ background-color: rgb(119,  
187, 165) }
```

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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