

Converting Colors

$Y_{xy}(42.8288, 0.2672, 0.3437)$

Have a look what the booklet for
Yxy(42.8288, 0.2672, 0.3437)
contains.

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Color

Yxy(42.9627, 0.2669, 0.3438)

Conversions

Conversions Part 1

Format	Color
Hex	75BCB2
RGB	117, 188, 178
RGB Percent	46%, 74%, 70%
CMY	0.5412, 0.2627, 0.3020
CMYK	0.38, 0.00, 0.05, 0.26
HSL	172°, 35%, 60%
HSV	172°, 38%, 74%
XYZ	33.3530, 42.9627, 48.6486
YIQ	165.6310, -39.1060, -18.1620

Conversions

Conversions Part 2

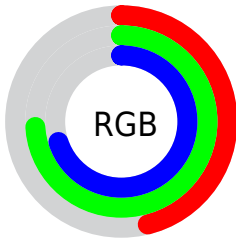
Format	Color
R _Y B	117, 155, 188
Decimal	7716018
CIE Lab	71.53, -24.61, -1.98
CIE LCh	72, 24.693, 184.609
Yxy	42.9627, 0.2669, 0.3438
Android (android.graphics.Color)	4285906098 (0xFF75BCB2)
YUV	165.6310, 6.0979, -42.6494
Hunter-Lab	65.5459, -23.8759, 1.8768

Details

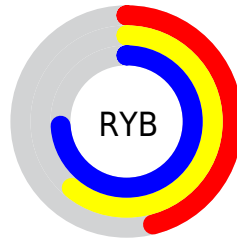
The Yxy color **42.9627, 0.2669, 0.3438** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **24.9446, 0.3908, 0.3152**, and the grayscale version is **37.9293, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4125, 0.2751, 0.3402**, and **19.5876, 0.2536, 0.3479** is the 20% darker color. If you saturate the color by 10%, you get **41.6849, 0.2575, 0.3484**, and if you desaturate by 10%, it is **44.5075, 0.2777, 0.3395**.

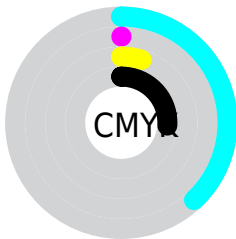
Distribution



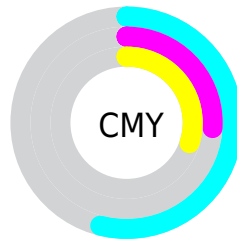
- Red (46%)
- Green (74%)
- Blue (70%)



- Red (46%)
- Yellow (61%)
- Blue (74%)



- Cyan (38%)
- Magenta (0%)
- Yellow (5%)
- Black (26%)




- Cyan (54%)
- Magenta (26%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.9627, 0.2669, 0.3438 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 42.9627, 0.2669, 0.3438 by changing the saturation by 10% instead.

 42.9627, 0.2669,
0.3438


 42.9627, 0.2669,
0.3438


358.4584, 0.2899,
0.3365


 29.8559, 0.2611,
0.3456


 79.6546, 0.2753,
0.3412

 19.7292, 0.2537,
0.3479

 104.0084, 0.2785,
0.3402

 12.1984, 0.2437,
0.3509


 132.8800, 0.2811,
0.3393

 6.8789, 0.2298,
0.3550

166.6537, 0.2834,
0.3386

 3.3865, 0.2090,
0.3608

205.7140, 0.2854,
0.3380

 1.3367, 0.1703,
0.3718

250.4453, 0.2871,

 0.1693, 0.0000,

0.3374

0.3439

301.2320, 0.2886,
0.3369

0.0000, 0.0000,
0.0000

42.9627, 0.2669,
0.3438

42.9627, 0.2669,
0.3438

41.6849, 0.2575,
0.3484

44.5075, 0.2777,
0.3395

40.6533, 0.2498,
0.3532

46.3285, 0.2896,
0.3354

39.8520, 0.2439,
0.3580

48.4410, 0.3024,
0.3317


39.2613, 0.2398,
0.3630


50.8574, 0.3157,
0.3283

38.8582, 0.2377,
0.3679

53.5896, 0.3294,
0.3252

 38.6078, 0.2372,
0.3728

 56.6486, 0.3431,
0.3225

 38.5599, 0.2372,
0.3739

 60.0451, 0.3568,
0.3201

 61.3623, 0.3599,
0.3175

 61.4867, 0.3577,
0.3148

Harmonies

Analogous

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



42.9627, 0.2968, 0.3750



42.9627, 0.2669, 0.3438



42.9627, 0.2495, 0.3099

Triad

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



42.9627, 0.2669, 0.3438



42.9627, 0.2904, 0.2739



42.9627, 0.3816, 0.3695

Complementary

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



42.9627, 0.2669, 0.3438



24.9446, 0.3908, 0.3152

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.



42.9627, 0.3803, 0.3419



42.9627, 0.2669, 0.3438



42.9627, 0.3260, 0.2887

Square

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



42.9627, 0.2669, 0.3438



42.9627, 0.2625, 0.2718



42.9627, 0.3596, 0.3130



42.9627, 0.3635, 0.3885

Rectangle

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



42.9627, 0.2669, 0.3438



42.9627, 0.2467, 0.2914



42.9627, 0.3596, 0.3130



42.9627, 0.3835, 0.3608

Sweetspot

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



42.9644, 0.2669, 0.3438



86.4206, 0.2979, 0.3329



41.8148, 0.3157, 0.4394



18.4715, 0.2962, 0.3334



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.



42.9644, 0.2669, 0.3438



75.9768, 0.2593, 0.3474



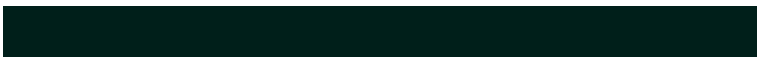
33.6601, 0.2552, 0.2909



10.7858, 0.3003, 0.3322



26.2598, 0.2370, 0.3733



1.0351, 0.2338, 0.3616

Inverse Universe

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



24.9446, 0.3908, 0.3152



38.8119, 0.4163, 0.3124



31.2762, 0.3908, 0.3638



9.5577, 0.3267, 0.3258



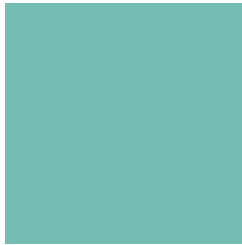
7.3383, 0.6191, 0.3184



0.2946, 0.5645, 0.2883

Previews

White Background



This preview shows how the Yxy color 42.9627, 0.2669, 0.3438 looks on a white background.

Color Contrast Check

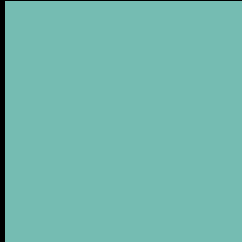
Large Text (above 18pt) WCAG AA × Fail

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 42.9627, 0.2669, 0.3438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

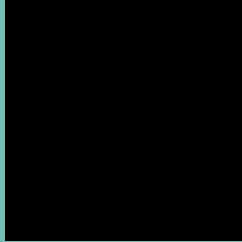
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

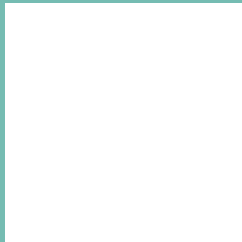
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.9627, 0.2669, 0.3438

Background



This preview shows how black text looks on a background with the Yxy color 42.9627, 0.2669, 0.3438.



This preview shows how white text looks on a background with the Yxy color 42.9627, 0.2669, 0.3438.

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

42.9627, 0.2669, 0.3438

Protanopia

42.7581, 0.3205, 0.3344

Deuteranopia

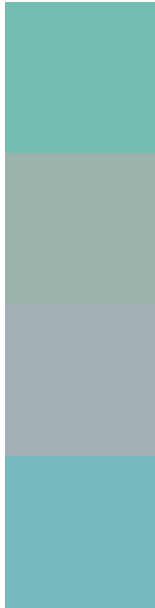
42.4447, 0.3190, 0.3121



Tritanopia

43.0056, 0.2560, 0.3075

Trichromacy



Original Color

42.9627, 0.2669, 0.3438

Protanomaly

42.3252, 0.2980, 0.3374

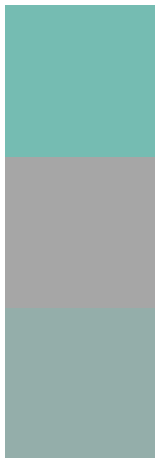
Deuteranomaly

42.0682, 0.2968, 0.3220

Tritanomaly

42.9167, 0.2597, 0.3201

Monochromacy



Original Color

42.9627, 0.2669, 0.3438

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

39.4703, 0.2935, 0.3348

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.9627, 0.2669, 0.3438 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(117, 188, 178)` looks like.

```
.text, #text, p{  
    color:rgb(117, 188, 178)  
}
```

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(117, 188, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 188, 178) }
```

Border

The CSS property to change the border of an element to Yxy 42.9627, 0.2669, 0.3438 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(117, 188, 178) }
```

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

```
.border{ border-color:rgb(117, 188, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 188, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 188, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 188, 178);  
box-shadow:4px 4px 4px 4px rgb(117, 188,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 42.9627, 0.2669, 0.3438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 188, 178) }
```

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

```
.background{ background-color: rgb(117,  
188, 178) }
```

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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