

Converting Colors

$Y_{xy}(41.5962, 0.2743, 0.3657)$

Have a look what the booklet for
Yxy(41.5962, 0.2743, 0.3657)
contains.

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Color

Yxy(41.7624, 0.2744, 0.3659)

Conversions

Conversions Part 1

Format	Color
Hex	72BBA3
RGB	114, 187, 163
RGB Percent	45%, 73%, 64%
CMY	0.5530, 0.2666, 0.3608
CMYK	0.39, 0.00, 0.13, 0.27
HSL	160°, 35%, 59%
HSV	160°, 39%, 73%
XYZ	31.3189, 41.7624, 41.0548
YIQ	162.4370, -35.8040, -22.9400

Conversions

Conversions Part 2

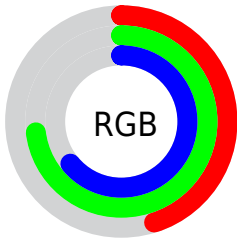
Format	Color
RYB	114, 158, 187
Decimal	7519139
CIELab	70.71, -28.39, 5.01
CIELCh	71, 28.824, 169.997
Yxy	41.7624, 0.2744, 0.3659
Android (android.graphics.Color)	4285709219 (0xFF72BBA3)
YUV	162.4370, 0.2776, -42.4792
Hunter-Lab	64.6238, -26.5844, 7.5704

Details

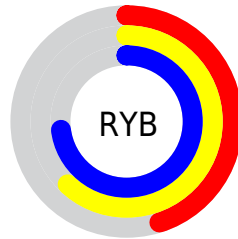
The Yxy color **41.7624, 0.2744, 0.3659** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **24.4341, 0.3762, 0.2956**, and the grayscale version is **36.3579, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5982, 0.2817, 0.3580**, and **18.9149, 0.2631, 0.3776** is the 20% darker color. If you saturate the color by 10%, you get **40.4205, 0.2669, 0.3773**, and if you desaturate by 10%, it is **43.3747, 0.2831, 0.3552**.

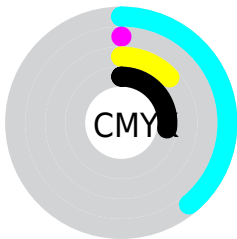
Distribution



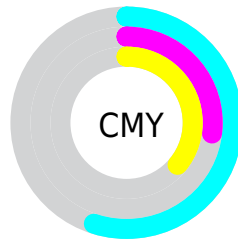
- Red (45%)
- Green (73%)
- Blue (64%)



- Red (45%)
- Yellow (62%)
- Blue (73%)



- Cyan (39%)
- Magenta (0%)
- Yellow (13%)
- Black (27%)





- Cyan (55%)
- Magenta (27%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.7624, 0.2744, 0.3659 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 41.7624, 0.2744, 0.3659 by changing the saturation by 10% instead.


 41.7624, 0.2744,
0.3659


 41.7624, 0.2744,
0.3659


353.4970, 0.2941,
0.3467

 28.9153, 0.2693,
0.3709


 77.8399, 0.2817,
0.3587

 19.0167, 0.2627,
0.3776


 101.8391, 0.2844,
0.3561

 11.6824, 0.2538,
0.3867


 130.3244, 0.2866,
0.3539

 6.5278, 0.2409,
0.3999

163.6803, 0.2885,
0.3520

 3.1686, 0.2211,
0.4210

202.2911, 0.2902,
0.3504

 1.2204, 0.1671,
0.4704

246.5412, 0.2917,

 0.0782, 0.0000,

0.3490

1.0000

296.8151, 0.2929,
0.3478

0.0000, 0.0000,
0.0000

41.7624, 0.2744,
0.3659

41.7624, 0.2744,
0.3659

40.4205, 0.2669,
0.3773

43.3747, 0.2831,
0.3552

39.3282, 0.2609,
0.3893

45.2670, 0.2928,
0.3454

38.4694, 0.2567,
0.4016


47.4543, 0.3031,
0.3364

37.8243, 0.2544,
0.4142

49.9493, 0.3137,
0.3283


37.3693, 0.2541,
0.4267

52.7639, 0.3246,
0.3210


 37.0631, 0.2555,
0.4391

 55.9092, 0.3354,
0.3145

 37.0364, 0.2556,
0.4403

 59.3959, 0.3460,
0.3088

 61.5667, 0.3493,
0.3032

 61.8835, 0.3442,
0.2970

Harmonies

Analogous

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



41.7624, 0.3137, 0.3962



41.7624, 0.2744, 0.3659



41.7624, 0.2465, 0.3250

Triad

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



41.7624, 0.2744, 0.3659



41.7624, 0.2689, 0.2616



41.7624, 0.3963, 0.3606

Complementary

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



41.7624, 0.2744, 0.3659



24.4341, 0.3762, 0.2956

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.



41.7624, 0.3832, 0.3268



41.7624, 0.2744, 0.3659



41.7624, 0.3072, 0.2721

Square

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



41.7624, 0.2744, 0.3659



41.7624, 0.2436, 0.2669



41.7624, 0.3497, 0.2953



41.7624, 0.3852, 0.3894

Rectangle

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



41.7624, 0.2744, 0.3659



41.7624, 0.2372, 0.2996



41.7624, 0.3497, 0.2953



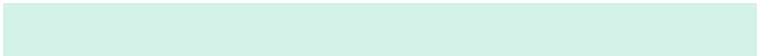
41.7624, 0.3946, 0.3495

Sweetspot

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



41.7641, 0.2744, 0.3659



83.6916, 0.2998, 0.3391



42.1895, 0.3267, 0.4397



18.3156, 0.2984, 0.3403



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.



41.7641, 0.2744, 0.3659



72.6709, 0.2678, 0.3758



37.7617, 0.2566, 0.3105



10.7547, 0.3027, 0.3367



25.5304, 0.2552, 0.4388



1.0116, 0.2470, 0.4092

Inverse Universe

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



24.4341, 0.3762, 0.2956



37.2100, 0.3979, 0.2884



26.7437, 0.4017, 0.3464



9.5867, 0.3238, 0.3215



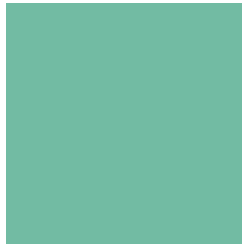
7.5272, 0.5628, 0.2874



0.3072, 0.4938, 0.2494

Previews

White Background



This preview shows how the Yxy color 41.7624, 0.2744, 0.3659 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 41.7624, 0.2744, 0.3659 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 41.7624, 0.2744, 0.3659

Background



This preview shows how black text looks on a background with the Yxy color 41.7624, 0.2744, 0.3659.

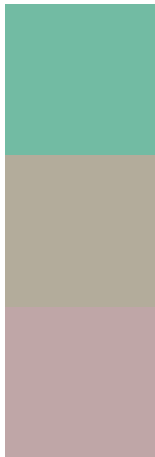


This preview shows how white text looks on a background with the Yxy color 41.7624, 0.2744, 0.3659.

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

41.7624, 0.2744, 0.3659

Protanopia

41.4553, 0.3337, 0.3523

Deuteranopia

41.1388, 0.3354, 0.3278



Tritanopia

41.6247, 0.2571, 0.3072

Trichromacy



Original Color

41.7624, 0.2744, 0.3659

Protanomaly

40.8815, 0.3088, 0.3565

Deuteranomaly

40.8118, 0.3095, 0.3403

Tritanomaly

41.7057, 0.2630, 0.3274

Monochromacy



Original Color

41.7624, 0.2744, 0.3659

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

37.7542, 0.2971, 0.3424

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.7624, 0.2744, 0.3659 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(114, 187, 163)` looks like.

```
.text, #text, p{  
    color:rgb(114, 187, 163)  
}
```

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(114, 187, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 187, 163) }
```

Border

The CSS property to change the border of an element to Yxy 41.7624, 0.2744, 0.3659 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(114, 187, 163) }
```

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

```
.border{ border-color:rgb(114, 187, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 187, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 187, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 187, 163);  
box-shadow:4px 4px 4px 4px rgb(114, 187,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 41.7624, 0.2744, 0.3659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 187, 163) }
```

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

```
.background{ background-color: rgb(114,  
187, 163) }
```

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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