

Converting Colors

$Yxy(41.2976, 0.2689, 0.3335)$

Have a look what the booklet for
Yxy(41.2976, 0.2689, 0.3335)
contains.

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Color

Yxy(41.3732, 0.2686, 0.3333)

Conversions

Conversions Part 1

Format	Color
Hex	7BB7B4
RGB	123, 183, 180
RGB Percent	48%, 72%, 71%
CMY	0.5176, 0.2823, 0.2941
CMYK	0.33, 0.00, 0.02, 0.28
HSL	177°, 29%, 60%
HSV	177°, 33%, 72%
XYZ	33.3419, 41.3732, 49.4170
YIQ	164.7180, -34.7970, -13.6530

Conversions

Conversions Part 2

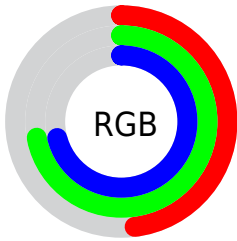
Format	Color
RYB	123, 154, 183
Decimal	8107956
CIELab	70.44, -19.94, -4.67
CIElCh	70, 20.480, 193.180
Yxy	41.3732, 0.2686, 0.3333
Android (android.graphics.Color)	4286298036 (0xFF7BB7B4)
YUV	164.7180, 7.5340, -36.5867
Hunter-Lab	64.3220, -20.0365, -0.5256

Details

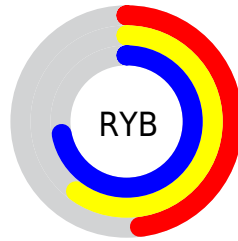
The Yxy color **41.3732, 0.2686, 0.3333** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **25.7413, 0.3835, 0.3249**, and the grayscale version is **37.4623, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2541, 0.2769, 0.3323**, and **18.8372, 0.2564, 0.3352** is the 20% darker color. If you saturate the color by 10%, you get **40.1119, 0.2577, 0.3348**, and if you desaturate by 10%, it is **42.8903, 0.2809, 0.3319**.

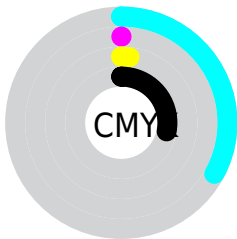
Distribution



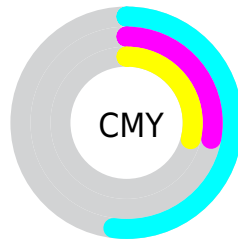
- Red (48%)
- Green (72%)
- Blue (71%)



- Red (48%)
- Yellow (60%)
- Blue (72%)



- Cyan (33%)
- Magenta (0%)
- Yellow (2%)
- Black (28%)





- Cyan (52%)
- Magenta (28%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.3732, 0.2686, 0.3333 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 41.3732, 0.2686, 0.3333 by changing the saturation by 10% instead.

 41.3732, 0.2686,
0.3333


 41.3732, 0.2686,
0.3333


351.8780, 0.2909,
0.3314

 28.6108, 0.2630,
0.3337


 77.2501, 0.2767,
0.3327

 18.7866, 0.2557,
0.3341


 101.1334, 0.2798,
0.3324

 11.5162, 0.2461,
0.3346


 129.4925, 0.2823,
0.3322

 6.4152, 0.2325,
0.3351

162.7117, 0.2845,
0.3320

 3.0991, 0.2121,
0.3353

201.1754, 0.2864,
0.3318

 1.1837, 0.1736,
0.3361

245.2682, 0.2881,

 0.0483, 0.0000,

0.3317

0.1131

295.3742, 0.2896,
0.3315

0.0000, 0.0000,
0.0000

41.3732, 0.2686,
0.3333

41.3732, 0.2686,
0.3333

40.1119, 0.2577,
0.3348

42.8903, 0.2809,
0.3319

39.0875, 0.2484,
0.3364

44.6713, 0.2943,
0.3305

38.2859, 0.2409,
0.3380


46.7298, 0.3086,
0.3293

37.6901, 0.2353,
0.3396


49.0774, 0.3235,
0.3282

37.2801, 0.2316,
0.3413

51.7246, 0.3386,
0.3272

 37.0322, 0.2296,
0.3429

 54.6817, 0.3538,
0.3263

 36.9194, 0.2289,
0.3441

 57.9584, 0.3688,
0.3256

 58.7280, 0.3714,
0.3247

 58.7672, 0.3706,
0.3237

Harmonies

Analogous

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



41.3732, 0.2915, 0.3607



41.3732, 0.2686, 0.3333



41.3732, 0.2574, 0.3061

Triad

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



41.3732, 0.2686, 0.3333



41.3732, 0.3023, 0.2847



41.3732, 0.3678, 0.3690

Complementary

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



41.3732, 0.2686, 0.3333



25.7413, 0.3835, 0.3249

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.



41.3732, 0.3714, 0.3473



41.3732, 0.2686, 0.3333



41.3732, 0.3326, 0.3001

Square

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



41.3732, 0.2686, 0.3333



41.3732, 0.2761, 0.2798



41.3732, 0.3584, 0.3225



41.3732, 0.3489, 0.3813

Rectangle

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



41.3732, 0.2686, 0.3333



41.3732, 0.2576, 0.2922



41.3732, 0.3584, 0.3225



41.3732, 0.3709, 0.3625

Sweetspot

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



41.3749, 0.2686, 0.3333



80.9210, 0.2980, 0.3302



39.7338, 0.3106, 0.4239



17.7637, 0.2960, 0.3304



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



41.3749, 0.2686, 0.3333



72.5018, 0.2610, 0.3343



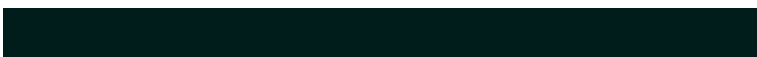
31.4086, 0.2616, 0.2872



10.2027, 0.2992, 0.3301



25.7584, 0.2289, 0.3439



0.9104, 0.2277, 0.3397

Inverse Universe

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



25.7413, 0.3835, 0.3249



40.3561, 0.4055, 0.3241



33.3118, 0.3750, 0.3673



9.0193, 0.3280, 0.3279



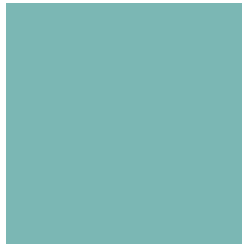
7.0401, 0.6337, 0.3264



0.2506, 0.6089, 0.3128

Previews

White Background



This preview shows how the Yxy color 41.3732, 0.2686, 0.3333 looks on a white background.

Color Contrast Check

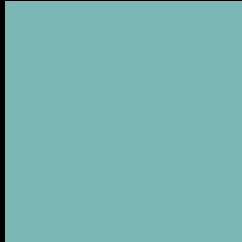
Large Text (above 18pt) WCAG AA × Fail

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 41.3732, 0.2686, 0.3333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

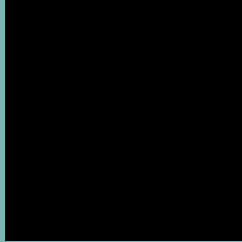
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

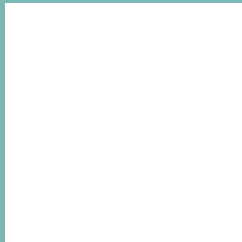
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.3732, 0.2686, 0.3333

Background



This preview shows how black text looks on a background with the Yxy color 41.3732, 0.2686, 0.3333.

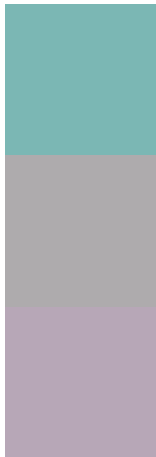


This preview shows how white text looks on a background with the Yxy color 41.3732, 0.2686, 0.3333.

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

41.3732, 0.2686, 0.3333

Protanopia

41.1416, 0.3137, 0.3263

Deuteranopia

41.1236, 0.3137, 0.3079



Tritanopia

41.4999, 0.2613, 0.3087

Trichromacy



Original Color

41.3732, 0.2686, 0.3333

Protanomaly

40.7631, 0.2948, 0.3275

Deuteranomaly

40.8416, 0.2951, 0.3165

Tritanomaly

41.6092, 0.2640, 0.3172

Monochromacy



Original Color

41.3732, 0.2686, 0.3333

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.8914, 0.2951, 0.3319

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.3732, 0.2686, 0.3333 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(123, 183, 180)` looks like.

```
.text, #text, p{  
    color:rgb(123, 183, 180)  
}
```

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(123, 183, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 183, 180) }
```

Border

The CSS property to change the border of an element to Yxy 41.3732, 0.2686, 0.3333 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(123, 183, 180) }
```

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

```
.border{ border-color:rgb(123, 183, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 183, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 183, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 183, 180);  
box-shadow:4px 4px 4px 4px rgb(123, 183,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 41.3732, 0.2686, 0.3333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 183, 180) }
```

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

```
.background{ background-color: rgb(123,  
183, 180) }
```

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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