

Converting Colors

$Yxy(40.5848, 0.2724, 0.3410)$

Have a look what the booklet for
Yxy(40.5848, 0.2724, 0.3410)
contains.

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Color

Yxy(40.7228, 0.2724, 0.3409)

Conversions

Conversions Part 1

Format	Color
Hex	7BB6AE
RGB	123, 182, 174
RGB Percent	48%, 71%, 68%
CMY	0.5175, 0.2863, 0.3176
CMYK	0.32, 0.00, 0.04, 0.29
HSL	172°, 29%, 60%
HSV	172°, 32%, 71%
XYZ	32.5400, 40.7228, 46.1939
YIQ	163.4470, -32.5960, -14.9960

Conversions

Conversions Part 2

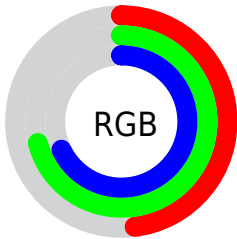
Format	Color
R_{YB}	123, 155, 182
Decimal	8107694
CIE _{Lab}	69.98, -20.83, -2.04
CIE _{LCh}	70, 20.927, 185.588
Yxy	40.7228, 0.2724, 0.3409
Android (android.graphics.Color)	4286297774 (0xFF7BB6AE)
YUV	163.4470, 5.2026, -35.4720
Hunter-Lab	63.8144, -20.6552, 1.7513

Details

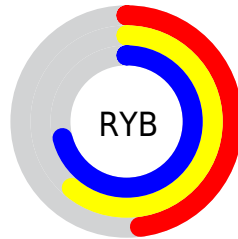
The Yxy color **40.7228, 0.2724, 0.3409** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **25.7577, 0.3759, 0.3177**, and the grayscale version is **36.8386, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1533, 0.2799, 0.3392**, and **18.4452, 0.2603, 0.3438** is the 20% darker color. If you saturate the color by 10%, you get **39.4090, 0.2622, 0.3452**, and if you desaturate by 10%, it is **42.2912, 0.2839, 0.3369**.

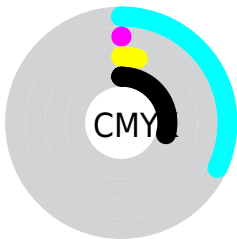
Distribution



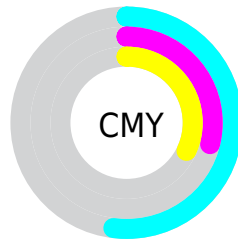
- Red (48%)
- Green (71%)
- Blue (68%)



- Red (48%)
- Yellow (61%)
- Blue (71%)



- Cyan (32%)
- Magenta (0%)
- Yellow (4%)
- Black (29%)



- Cyan (52%)
- Magenta (29%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.7228, 0.2724, 0.3409 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 40.7228, 0.2724, 0.3409 by changing the saturation by 10% instead.


 40.7228, 0.2724,
0.3409


 40.7228, 0.2724,
0.3409


349.1607, 0.2929,
0.3350


 28.1025, 0.2672,
0.3424


 76.2629, 0.2799,
0.3388

 18.4030, 0.2604,
0.3442


 99.9516, 0.2827,
0.3380

 11.2397, 0.2514,
0.3467


 128.0985, 0.2851,
0.3373

 6.2283, 0.2385,
0.3501

161.0881, 0.2871,
0.3367

 2.9844, 0.2190,
0.3551

199.3047, 0.2888,
0.3362

 1.1236, 0.1769,
0.3668

243.1327, 0.2904,

 0.0000, 0.0000,

0.3357

0.0000

292.9566, 0.2917,
0.3353

■ 40.7228, 0.2724,
0.3409

■ 40.7228, 0.2724,
0.3409

■ 39.4090, 0.2622,
0.3452

■ 42.2912, 0.2839,
0.3369

■ 38.3309, 0.2535,
0.3496

■ 44.1221, 0.2963,
0.3332

■ 37.4751, 0.2465,
0.3543

■ 46.2290, 0.3095,
0.3298


■ 36.8245, 0.2414,
0.3590


■ 48.6231, 0.3231,
0.3267


■ 36.3598, 0.2382,
0.3637

■ 51.3150, 0.3369,
0.3239


 36.0576, 0.2369,
0.3684

 54.3146, 0.3507,
0.3215

 35.9009, 0.2367,
0.3719

 57.6316, 0.3643,
0.3193

 58.5978, 0.3660,
0.3169

 58.7094, 0.3639,
0.3144

Harmonies

Analogous

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



40.7228, 0.2982, 0.3676



40.7228, 0.2724, 0.3409



40.7228, 0.2575, 0.3120

Triad

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



40.7228, 0.2724, 0.3409



40.7228, 0.2945, 0.2812



40.7228, 0.3719, 0.3651

Complementary

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



40.7228, 0.2724, 0.3409



25.7577, 0.3759, 0.3177

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.



40.7228, 0.3712, 0.3414



40.7228, 0.2724, 0.3409



40.7228, 0.3254, 0.2945

Square

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



40.7228, 0.2724, 0.3409



40.7228, 0.2698, 0.2792



40.7228, 0.3539, 0.3160



40.7228, 0.3560, 0.3808

Rectangle

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



40.7228, 0.2724, 0.3409



40.7228, 0.2553, 0.2961



40.7228, 0.3539, 0.3160



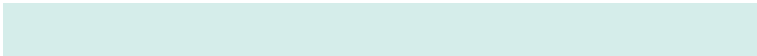
40.7228, 0.3736, 0.3577

Sweetspot

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



40.7244, 0.2724, 0.3409



80.8035, 0.2992, 0.3324



39.7812, 0.3156, 0.4212



17.7342, 0.2974, 0.3329



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.



40.7244, 0.2724, 0.3409



72.0599, 0.2649, 0.3440



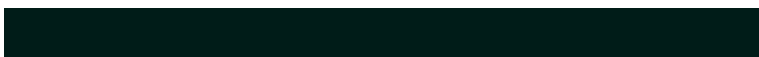
33.2060, 0.2633, 0.2972



10.1891, 0.3003, 0.3321



25.3608, 0.2365, 0.3714



0.8999, 0.2331, 0.3593

Inverse Universe

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



25.7577, 0.3759, 0.3177



40.6187, 0.3968, 0.3151



31.2221, 0.3766, 0.3586



9.0315, 0.3267, 0.3259



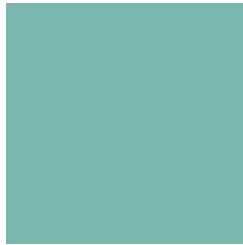
7.0775, 0.6201, 0.3189



0.2559, 0.5636, 0.2878

Previews

White Background



This preview shows how the Yxy color 40.7228, 0.2724, 0.3409 looks on a white background.

Color Contrast Check

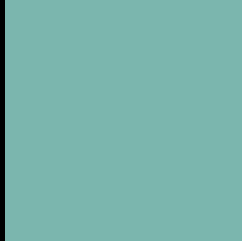
Large Text (above 18pt) WCAG AA × Fail

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 40.7228, 0.2724, 0.3409 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

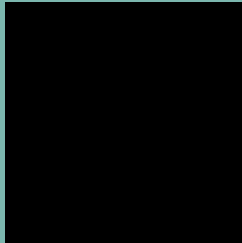
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.7228, 0.2724, 0.3409

Background



This preview shows how black text looks on a background with the Yxy color 40.7228, 0.2724, 0.3409.



This preview shows how white text looks on a background with the Yxy color 40.7228, 0.2724, 0.3409.

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

40.7228, 0.2724, 0.3409

Protanopia

40.5381, 0.3189, 0.3331

Deuteranopia

40.3150, 0.3191, 0.3118



Tritanopia

40.6796, 0.2629, 0.3086

Trichromacy



Original Color

40.7228, 0.2724, 0.3409

Protanomaly

40.1429, 0.2994, 0.3347

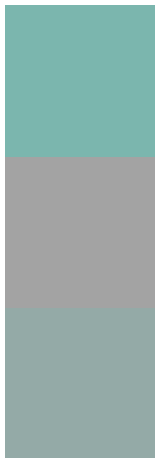
Deuteranomaly

39.9815, 0.2999, 0.3206

Tritanomaly

40.6233, 0.2662, 0.3201

Monochromacy



Original Color

40.7228, 0.2724, 0.3409

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

37.8354, 0.2957, 0.3334

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7228, 0.2724, 0.3409 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, 182, 174)` looks like.

```
.text, #text, p{  
    color:rgb(123, 182, 174)  
}
```

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, 182, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 182, 174) }
```

Border

The CSS property to change the border of an element to Yxy 40.7228, 0.2724, 0.3409 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, 182, 174) }
```

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

```
.border{ border-color:rgb(123, 182, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 182, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 182, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 182, 174);  
box-shadow:4px 4px 4px 4px rgb(123, 182,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7228, 0.2724, 0.3409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 182, 174) }
```

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

```
.background{ background-color: rgb(123,  
182, 174) }
```

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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