

# Converting Colors

$Yxy(40.1780, 0.2748, 0.3632)$

Have a look what the booklet for  
Yxy(40.1780, 0.2748, 0.3632)  
contains.

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# Color

**Yxy(40.0176, 0.2751, 0.3632)**

# Conversions

## Conversions Part 1

Format	Color
Hex	72B7A1
RGB	114, 183, 161
RGB Percent	45%, 72%, 63%
CMY	0.5528, 0.2824, 0.3686
CMYK	0.38, 0.00, 0.12, 0.28
HSL	161°, 32%, 58%
HSV	161°, 38%, 72%
XYZ	30.3107, 40.0176, 39.8523
YIQ	159.8610, -34.0620, -21.4700

# Conversions

## Conversions Part 2

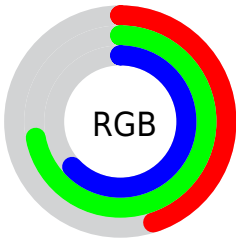
<b>Format</b>	<b>Color</b>
<b>RYB</b>	114, 155, 183
Decimal	7518113
CIELab	69.48, -26.85, 4.32
CIELCh	69, 27.199, 170.862
Yxy	40.0176, 0.2751, 0.3632
Android (android.graphics.Color)	4285708193 (0xFF72B7A1)
YUV	159.8610, 0.5615, -40.2201
Hunter-Lab	63.2595, -25.1760, 6.9300

# Details

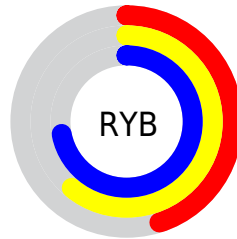
The Yxy color **40.0176, 0.2751, 0.3632** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.8884, 0.3739, 0.2978**, and the grayscale version is **35.1006, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0157, 0.2819, 0.3560**, and **18.0832, 0.2630, 0.3738** is the 20% darker color. If you saturate the color by 10%, you get **38.7108, 0.2673, 0.3741**, and if you desaturate by 10%, it is **41.5827, 0.2841, 0.3530**.

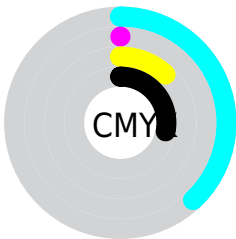
# Distribution



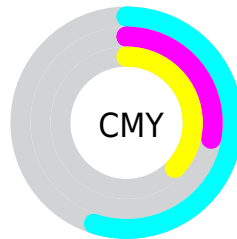
- Red (45%)
- Green (72%)
- Blue (63%)



- Red (45%)
- Yellow (61%)
- Blue (72%)



- Cyan (38%)
- Magenta (0%)
- Yellow (12%)
- Black (28%)




- Cyan (55%)
- Magenta (28%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.0176, 0.2751, 0.3632 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 40.0176, 0.2751, 0.3632 by changing the saturation by 10% instead.





 40.0176, 0.2751,  
0.3632

 40.0176, 0.2751,  
0.3632


346.1977, 0.2945,  
0.3453


 27.5523, 0.2701,  
0.3679


 75.1903, 0.2823,  
0.3565

 17.9884, 0.2635,  
0.3741


 98.6665, 0.2850,  
0.3541

 10.9417, 0.2545,  
0.3827


 126.5817, 0.2872,  
0.3520

 6.0276, 0.2415,  
0.3953

159.3204, 0.2891,  
0.3503

 2.8619, 0.2213,  
0.4155

197.2670, 0.2907,  
0.3488

 1.0601, 0.1525,  
0.4726

240.8058, 0.2921,

 0.0000, 0.0000,

0.3475

0.0000

290.3212, 0.2934,  
0.3464

■ 40.0176, 0.2751,  
0.3632

■ 40.0176, 0.2751,  
0.3632

■ 38.7108, 0.2673,  
0.3741

■ 41.5827, 0.2841,  
0.3530

■ 37.6427, 0.2610,  
0.3856

■ 43.4150, 0.2939,  
0.3436

■ 36.7984, 0.2564,  
0.3975


■ 45.5286, 0.3044,  
0.3350

■ 36.1594, 0.2538,  
0.4096

■ 47.9355, 0.3152,  
0.3273

■ 35.7041, 0.2531,  
0.4217


■ 50.6467, 0.3262,  
0.3204

 35.3996, 0.2542,  
0.4336

 53.6727, 0.3371,  
0.3142

 35.3376, 0.2546,  
0.4364

 57.0237, 0.3479,  
0.3088

 59.6636, 0.3538,  
0.3036

 59.9554, 0.3489,  
0.2977

# Harmonies

## Analogous

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



40.0176, 0.3126, 0.3926



40.0176, 0.2751, 0.3632



40.0176, 0.2486, 0.3242

# Triad

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



40.0176, 0.2751, 0.3632



40.0176, 0.2716, 0.2644



40.0176, 0.3927, 0.3604

# Complementary

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



40.0176, 0.2751, 0.3632



23.8884, 0.3739, 0.2978

# 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.



40.0176, 0.3808, 0.3280



40.0176, 0.2751, 0.3632



40.0176, 0.3087, 0.2748

# Square

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



40.0176, 0.2751, 0.3632



40.0176, 0.2469, 0.2691



40.0176, 0.3492, 0.2975



40.0176, 0.3815, 0.3876



# Rectangle

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



40.0176, 0.2751, 0.3632



40.0176, 0.2400, 0.3001



40.0176, 0.3492, 0.2975



40.0176, 0.3913, 0.3498

# Sweetspot

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



40.0192, 0.2751, 0.3632



80.1615, 0.3007, 0.3379



40.4016, 0.3263, 0.4352



17.5912, 0.2993, 0.3391



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.



40.0192, 0.2751, 0.3632



69.7537, 0.2687, 0.3719



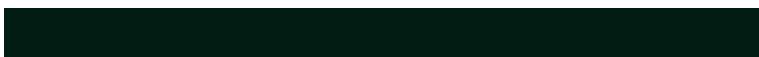
36.3151, 0.2584, 0.3112



10.1606, 0.3027, 0.3364



24.6662, 0.2542, 0.4350



0.8803, 0.2456, 0.4042



# Inverse Universe

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



23.8884, 0.3739, 0.2978



36.8074, 0.3937, 0.2912



26.0849, 0.3972, 0.3458



9.0581, 0.3239, 0.3217



7.2498, 0.5662, 0.2893

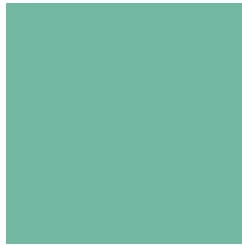


0.2672, 0.4915, 0.2481



# Previews

## White Background



This preview shows how the Yxy color 40.0176, 0.2751, 0.3632 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 40.0176, 0.2751, 0.3632 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 40.0176, 0.2751, 0.3632**

## Background



This preview shows how black text looks on a background with the Yxy color 40.0176, 0.2751, 0.3632.



This preview shows how white text looks on a background with the Yxy color 40.0176, 0.2751, 0.3632.

# 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

40.0176, 0.2751, 0.3632

### Protanopia

39.5353, 0.3333, 0.3499

### Deuteranopia

39.4758, 0.3339, 0.3264



## Tritanopia

39.8286, 0.2587, 0.3069

# Trichromacy



## Original Color

40.0176, 0.2751, 0.3632

## Protanomaly

39.0597, 0.3089, 0.3540

## Deuteranomaly

38.9034, 0.3087, 0.3376

## Tritanomaly

39.9007, 0.2647, 0.3274

# Monochromacy



## Original Color

40.0176, 0.2751, 0.3632

## Achromatopsia

35.1533, 0.3127, 0.3290

## Achromatomaly

36.3830, 0.2970, 0.3411

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.0176, 0.2751, 0.3632 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, 183, 161)` looks like.

```
.text, #text, p{  
    color:rgb(114, 183, 161)  
}
```

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, 183, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 183, 161) }
```

## Border

The CSS property to change the border of an element to Yxy 40.0176, 0.2751, 0.3632 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, 183, 161) }
```

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

```
.border{ border-color:rgb(114, 183, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 183, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 183, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 183, 161);  
box-shadow:4px 4px 4px 4px rgb(114, 183,  
161) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.0176, 0.2751, 0.3632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 183, 161) }
```

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

```
.background{ background-color: rgb(114,  
183, 161) }
```

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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