

Converting Colors

$Y_{xy}(44.8440, 0.2754, 0.3603)$

Have a look what the booklet for
Yxy(44.8440, 0.2754, 0.3603)
contains.

Yxy(44.7771, 0.2752, 0.3600)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(44.7771, 0.2752, 0.3600)

Conversions

Conversions Part 1

Format	Color
Hex	7AC0AB
RGB	122, 192, 171
RGB Percent	48%, 75%, 67%
CMY	0.5215, 0.2471, 0.3293
CMYK	0.36, 0.00, 0.11, 0.25
HSL	162°, 36%, 62%
HSV	162°, 36%, 75%
XYZ	34.2296, 44.7771, 45.3741
YIQ	168.6760, -34.9790, -21.3710

Conversions

Conversions Part 2

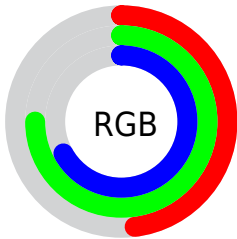
Format	Color
R _{YB}	122, 163, 192
Decimal	8044715
CIE Lab	72.74, -26.79, 3.62
CIE LCh	73, 27.031, 172.301
Yxy	44.7771, 0.2752, 0.3600
Android (android.graphics.Color)	4286234795 (0xFF7AC0AB)
YUV	168.6760, 1.1457, -40.9349
Hunter-Lab	66.9157, -25.7938, 6.6377

Details

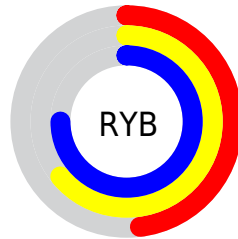
The Yxy color $44.7771, 0.2752, 0.3600$ is a light color, and the websafe version is hex $66CCCC$. A complement of this color would be $27.1143, 0.3731, 0.3005$, and the grayscale version is $39.5185, 0.3127, 0.3290$.

A 20% lighter version of the original color is $82.5895, 0.2824, 0.3548$, and $20.7741, 0.2640, 0.3688$ is the 20% darker color. If you saturate the color by 10%, you get $43.2979, 0.2671, 0.3702$, and if you desaturate by 10%, it is $46.5463, 0.2845, 0.3505$.

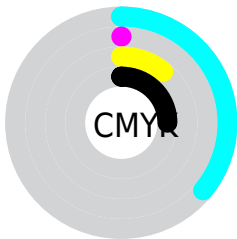
Distribution



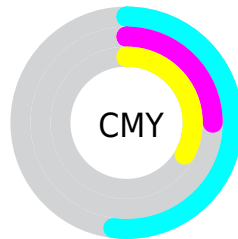
- Red (48%)
- Green (75%)
- Blue (67%)



- Red (48%)
- Yellow (64%)
- Blue (75%)



- Cyan (36%)
- Magenta (0%)
- Yellow (11%)
- Black (25%)




- Cyan (52%)
- Magenta (25%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.7771, 0.2752, 0.3600 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 44.7771, 0.2752, 0.3600 by changing the saturation by 10% instead.


 44.7771, 0.2752,
0.3600

 44.7771, 0.2752,
0.3600

365.8701, 0.2942,
0.3442

 31.2819, 0.2704,
0.3641


 82.3858, 0.2821,
0.3542

 20.8136, 0.2642,
0.3694


 107.2681, 0.2847,
0.3520

 12.9878, 0.2559,
0.3765


 136.7149, 0.2869,
0.3502

 7.4202, 0.2442,
0.3868

171.1106, 0.2888,
0.3486

 3.7262, 0.2265,
0.4026

210.8396, 0.2904,
0.3473

 1.5216, 0.1947,
0.4313

256.2862, 0.2918,

 0.3039, 0.0000,

0.3461

0.7964

307.8349, 0.2931,
0.3451

0.0000, 0.0000,
0.0000

44.7771, 0.2752,
0.3600

44.7771, 0.2752,
0.3600

43.2979, 0.2671,
0.3702

46.5463, 0.2845,
0.3505

42.0869, 0.2604,
0.3809

48.6154, 0.2947,
0.3417

41.1276, 0.2555,
0.3920


51.0001, 0.3055,
0.3337

40.3995, 0.2524,
0.4033


53.7137, 0.3167,
0.3265

39.8786, 0.2514,
0.4147

56.7685, 0.3280,
0.3201

 39.5339, 0.2523,
0.4260

 60.1764, 0.3392,
0.3144

 39.4320, 0.2528,
0.4299

 63.6778, 0.3491,
0.3093

 63.9724, 0.3445,
0.3035

 64.2774, 0.3399,
0.2977

Harmonies

Analogous

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



44.7771, 0.3109, 0.3887



44.7771, 0.2752, 0.3600



44.7771, 0.2504, 0.3227

Triad

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



44.7771, 0.2752, 0.3600



44.7771, 0.2749, 0.2671



44.7771, 0.3893, 0.3607

Complementary

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



44.7771, 0.2752, 0.3600



27.1143, 0.3731, 0.3005

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.



44.7771, 0.3789, 0.3296



44.7771, 0.2752, 0.3600



44.7771, 0.3108, 0.2778

Square

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



44.7771, 0.2752, 0.3600



44.7771, 0.2503, 0.2710



44.7771, 0.3494, 0.3001



44.7771, 0.3777, 0.3863

Rectangle

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



44.7771, 0.2752, 0.3600



44.7771, 0.2427, 0.2999



44.7771, 0.3494, 0.3001



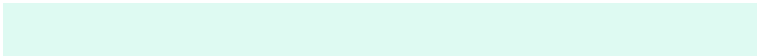
44.7771, 0.3883, 0.3506

Sweetspot

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



44.7789, 0.2752, 0.3600



90.2939, 0.3004, 0.3374



44.9455, 0.3241, 0.4323



19.2452, 0.2989, 0.3385



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



44.7789, 0.2752, 0.3600



78.8857, 0.2684, 0.3684



39.7872, 0.2593, 0.3083



11.3753, 0.3023, 0.3360



26.5481, 0.2524, 0.4285



1.1588, 0.2454, 0.4035

Inverse Universe

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



27.1143, 0.3731, 0.3005



42.0592, 0.3937, 0.2941



30.2254, 0.3926, 0.3484



10.1265, 0.3243, 0.3221



7.7556, 0.5737, 0.2934



0.3476, 0.5083, 0.2574

Previews

White Background



This preview shows how the Yxy color 44.7771, 0.2752, 0.3600 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 44.7771, 0.2752, 0.3600 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

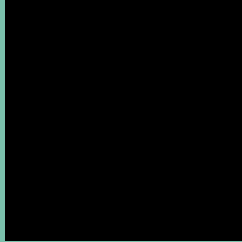
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

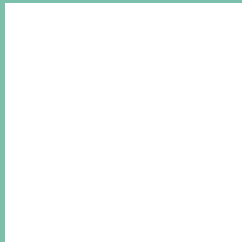
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.7771, 0.2752, 0.3600

Background



This preview shows how black text looks on a background with the Yxy color 44.7771, 0.2752, 0.3600.

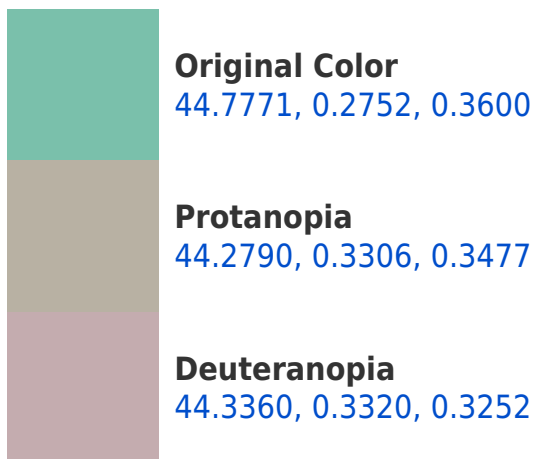


This preview shows how white text looks on a background with the Yxy color 44.7771, 0.2752, 0.3600.

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





Tritanopia

44.5196, 0.2589, 0.3065

Trichromacy



Original Color

44.7771, 0.2752, 0.3600

Protanomaly

43.7861, 0.3074, 0.3514

Deuteranomaly

43.7312, 0.3081, 0.3358

Tritanomaly

44.5924, 0.2647, 0.3260

Monochromacy



Original Color

44.7771, 0.2752, 0.3600

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

41.0220, 0.2969, 0.3390

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.7771, 0.2752, 0.3600 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(122, 192, 171)` looks like.

```
.text, #text, p{  
    color:rgb(122, 192, 171)  
}
```

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(122, 192, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 192, 171) }
```

Border

The CSS property to change the border of an element to Yxy 44.7771, 0.2752, 0.3600 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(122, 192, 171) }
```

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

```
.border{ border-color:rgb(122, 192, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 192, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 192, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 192, 171);  
box-shadow:4px 4px 4px 4px rgb(122, 192,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 44.7771, 0.2752, 0.3600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 192, 171) }
```

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

```
.background{ background-color: rgb(122,  
192, 171) }
```

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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