

# Converting Colors

$Yxy(56.8470, 0.2527, 0.3302)$

Have a look what the booklet for  
Yxy(56.8470, 0.2527, 0.3302)  
contains.

<b>Yxy(56.6791, 0.2528, 0.3302)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(56.6791, 0.2528, 0.3302)**

# Conversions

## Conversions Part 1

Format	Color
Hex	75D6D5
RGB	117, 214, 213
RGB Percent	46%, 84%, 84%
CMY	0.5410, 0.1608, 0.1649
CMYK	0.45, 0.00, 0.00, 0.16
HSL	179°, 54%, 65%
HSV	179°, 45%, 84%
XYZ	43.3933, 56.6791, 71.5784
YIQ	184.8830, -57.4910, -20.8750

# Conversions

## Conversions Part 2

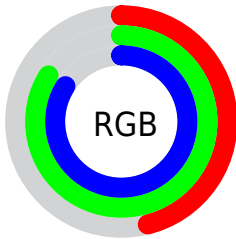
<b>Format</b>	<b>Color</b>
<b>RYB</b>	117, 166, 214
Decimal	7722709
CIELab	80.00, -28.78, -8.39
CIElCh	80, 29.981, 196.244
Yxy	56.6791, 0.2528, 0.3302
Android (android.graphics.Color)	4285912789 (0xFF75D6D5)
YUV	184.8830, 13.8617, -59.5334
Hunter-Lab	75.2855, -28.8652, -3.6706

# Details

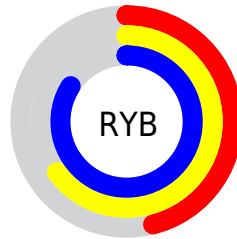
The Yxy color **56.6791, 0.2528, 0.3302** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **28.3401, 0.4327, 0.3281**, and the grayscale version is **48.3987, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8540, 0.2676, 0.3289**, and **28.1348, 0.2380, 0.3306** is the 20% darker color. If you saturate the color by 10%, you get **55.3522, 0.2437, 0.3305**, and if you desaturate by 10%, it is **58.3493, 0.2637, 0.3299**.

# Distribution



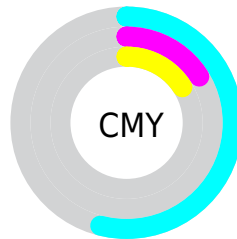
- Red (46%)
- Green (84%)
- Blue (84%)



- Red (46%)
- Yellow (65%)
- Blue (84%)



- Cyan (45%)
- Magenta (0%)
- Yellow (0%)
- Black (16%)




- Cyan (54%)
- Magenta (16%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.6791, 0.2528, 0.3302 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 56.6791, 0.2528, 0.3302 by changing the saturation by 10% instead.





 56.6791, 0.2528,  
0.3302


 56.6791, 0.2528,  
0.3302


412.2458, 0.2813,  
0.3302


 40.7477, 0.2461,  
0.3300

 99.9968, 0.2628,  
0.3303

 28.1220, 0.2378,  
0.3297


 128.1518, 0.2667,  
0.3304

 18.4176, 0.2272,  
0.3292


 161.1502, 0.2700,  
0.3303

 11.2502, 0.2131,  
0.3282

199.3763, 0.2728,  
0.3303

 6.2354, 0.1937,  
0.3262

243.2145, 0.2753,  
0.3303

 2.9887, 0.1653,  
0.3219

293.0492, 0.2775,

 1.1259, 0.0991,

0.3303

0.3193

349.2648, 0.2795,  
0.3303

0.0000, 0.0000,  
0.0000

56.6791, 0.2528,  
0.3302

56.6791, 0.2528,  
0.3302

55.3522, 0.2437,  
0.3305

58.3493, 0.2637,  
0.3299

54.3385, 0.2365,  
0.3308

60.3773, 0.2761,  
0.3296

53.6140, 0.2312,  
0.3312

62.7849, 0.2899,  
0.3294

53.1480, 0.2278,  
0.3315

65.5899, 0.3046,  
0.3291

52.9030, 0.2260,  
0.3319


68.8095, 0.3200,  
0.3289

 52.8327, 0.2256,  
0.3320

 72.4594, 0.3359,  
0.3287

 74.2380, 0.3429,  
0.3285

 74.2497, 0.3428,  
0.3283

 74.2615, 0.3426,  
0.3281

# Harmonies

## Analogous

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



56.6791, 0.2810, 0.3680



56.6791, 0.2528, 0.3302



56.6791, 0.2404, 0.2951

# Triad

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



56.6791, 0.2528, 0.3302



56.6791, 0.3027, 0.2733



56.6791, 0.3833, 0.3832

# Complementary

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



56.6791, 0.2528, 0.3302



28.3401, 0.4327, 0.3281

# 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.



56.6791, 0.3909, 0.3552



56.6791, 0.2528, 0.3302



56.6791, 0.3427, 0.2940

# Square

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



56.6791, 0.2528, 0.3302



56.6791, 0.2677, 0.2652



56.6791, 0.3758, 0.3232



56.6791, 0.3564, 0.3988



# Rectangle

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



56.6791, 0.2528, 0.3302



56.6791, 0.2419, 0.2782



56.6791, 0.3758, 0.3232



56.6791, 0.3883, 0.3748

# Sweetspot

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



56.6813, 0.2528, 0.3302



93.8220, 0.2915, 0.3293



53.2775, 0.3071, 0.4699



19.9010, 0.2884, 0.3294



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

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



56.6813, 0.2528, 0.3302



82.4481, 0.2443, 0.3305



36.3292, 0.2406, 0.2622



14.1055, 0.2984, 0.3292



31.9345, 0.2256, 0.3320



1.9269, 0.2254, 0.3314



# Inverse Universe

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



28.3401, 0.4327, 0.3281



35.3791, 0.4724, 0.3280



42.1000, 0.4058, 0.3864



12.4229, 0.3289, 0.3288



8.6451, 0.6388, 0.3293

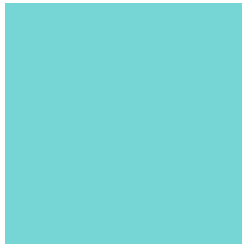


0.5222, 0.6349, 0.3271



# Previews

## White Background



This preview shows how the Yxy color 56.6791, 0.2528, 0.3302 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

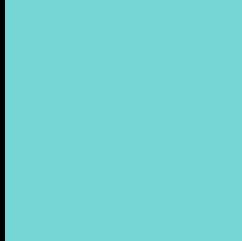
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.6791, 0.2528, 0.3302 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

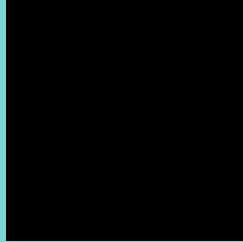
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 56.6791, 0.2528, 0.3302**

## Background



This preview shows how black text looks on a background with the Yxy color 56.6791, 0.2528, 0.3302.

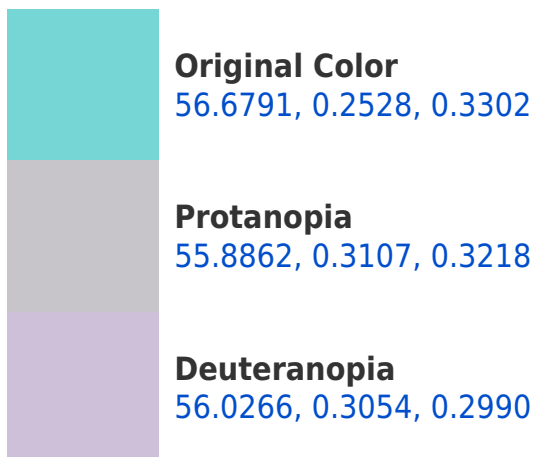


This preview shows how white text looks on a background with the Yxy color 56.6791, 0.2528, 0.3302.

# 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

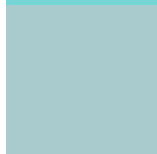
56.8817, 0.2467, 0.3070

# Trichromacy



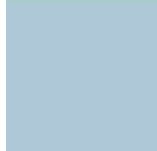
## Original Color

56.6791, 0.2528, 0.3302



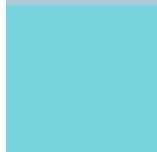
## Protanomaly

55.6031, 0.2857, 0.3251



## Deuteranomaly

55.2651, 0.2826, 0.3092



## Tritanomaly

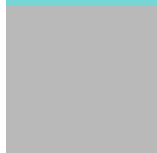
56.9093, 0.2489, 0.3158

# Monochromacy



## Original Color

56.6791, 0.2528, 0.3302



## Achromatopsia

48.5150, 0.3127, 0.3290



## Achromatomaly

50.8936, 0.2861, 0.3302

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.6791, 0.2528, 0.3302 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(117, 214, 213)` looks like.

```
.text, #text, p{  
    color:rgb(117, 214, 213)  
}
```

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(117, 214, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 214, 213) }
```

## Border

The CSS property to change the border of an element to Yxy 56.6791, 0.2528, 0.3302 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(117, 214, 213) }
```

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

```
.border{ border-color:rgb(117, 214, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 214, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 214, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 214, 213);  
box-shadow:4px 4px 4px 4px rgb(117, 214,  
213) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.6791, 0.2528, 0.3302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 214, 213) }
```

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

```
.background{ background-color: rgb(117,  
214, 213) }
```

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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