

Converting Colors

$Y_{xy}(36.7658, 0.2339, 0.3292)$

Have a look what the booklet for
Yxy(36.7658, 0.2339, 0.3292)
contains.

Yxy(36.7500, 0.2338, 0.3288)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.7500, 0.2338, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	37B4B4
RGB	55, 180, 180
RGB Percent	22%, 71%, 71%
CMY	0.7845, 0.2941, 0.2942
CMYK	0.69, 0.00, 0.00, 0.29
HSL	180°, 53%, 46%
HSV	180°, 69%, 71%
XYZ	26.1318, 36.7500, 48.8882
YIQ	142.6250, -74.5000, -26.5000

Conversions

Conversions Part 2

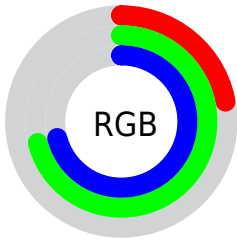
Format	Color
R _Y B	55, 118, 180
Decimal	3650740
CIE Lab	67.09, -33.02, -9.89
CIE LCh	67, 34.469, 196.676
Yxy	36.7500, 0.2338, 0.3288
Android (android.graphics.Color)	4281840820 (0xFF37B4B4)
YUV	142.6250, 18.4259, -76.8471
Hunter-Lab	60.6218, -29.1433, -5.3790

Details

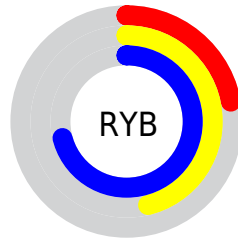
The Yxy color **36.7500, 0.2338, 0.3288** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **12.7084, 0.5416, 0.3297**, and the grayscale version is **27.2545, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.0401, 0.2483, 0.3288**, and **16.7110, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **36.3327, 0.2291, 0.3288**, and if you desaturate by 10%, it is **37.3553, 0.2403, 0.3288**.

Distribution



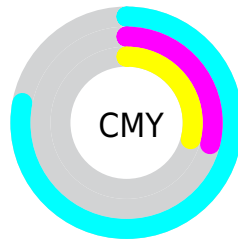
- Red (22%)
- Green (71%)
- Blue (71%)



- Red (22%)
- Yellow (46%)
- Blue (71%)



- Cyan (69%)
- Magenta (0%)
- Yellow (0%)
- Black (29%)



- Cyan (78%)
- Magenta (29%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7500, 0.2338, 0.3288 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 36.7500, 0.2338, 0.3288 by changing the saturation by 10% instead.


 36.7500, 0.2338,
0.3288


 36.7500, 0.2338,
0.3288


332.2269, 0.2738,
0.3300

 25.0140, 0.2237,
0.3281


 70.1881, 0.2484,
0.3295

 16.0875, 0.2108,
0.3270


 92.6590, 0.2539,
0.3297


 9.5861, 0.1936,
0.3250


 119.4770, 0.2585,
0.3298

 5.1254, 0.1697,
0.3213

 151.0264, 0.2625,
0.3299

 2.3210, 0.1352,
0.3134

 187.6918, 0.2659,
0.3299

 0.7848, 0.0000,
0.3196

229.8573, 0.2689,

 0.0000, 0.0000,

0.3300

0.0000

277.9076, 0.2715,
0.3300

■ 36.7500, 0.2338,
0.3288

■ 36.7500, 0.2338,
0.3288

■ 36.3327, 0.2291,
0.3288

■ 37.3553, 0.2403,
0.3288

■ 36.0781, 0.2263,
0.3288

■ 38.1627, 0.2488,
0.3288

■ 35.9461, 0.2247,
0.3288

■ 39.1895, 0.2590,
0.3289

■ 35.9399, 0.2247,
0.3288

■ 40.4500, 0.2708,
0.3289

■ 41.9573, 0.2840,
0.3289

■ 43.7238, 0.2984,
0.3290

■ 45.7607, 0.3135,
0.3290

■ 48.0787, 0.3292,
0.3290

■ 50.6880, 0.3452,
0.3291

Harmonies

Analogous

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



36.7500, 0.2696, 0.3809



36.7500, 0.2338, 0.3288



36.7500, 0.2187, 0.2824

Triad

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



36.7500, 0.2338, 0.3288



36.7500, 0.2996, 0.2573



36.7500, 0.4054, 0.3993

Complementary

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



36.7500, 0.2338, 0.3288



12.7084, 0.5416, 0.3297

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.



36.7500, 0.4168, 0.3620



36.7500, 0.2338, 0.3288



36.7500, 0.3529, 0.2838

Square

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



36.7500, 0.2338, 0.3288



36.7500, 0.2540, 0.2463



36.7500, 0.3973, 0.3208



36.7500, 0.3687, 0.4219

Rectangle

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



36.7500, 0.2338, 0.3288



36.7500, 0.2210, 0.2613



36.7500, 0.3973, 0.3208



36.7500, 0.4124, 0.3879

Sweetspot

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



36.7514, 0.2338, 0.3288



75.5183, 0.2814, 0.3289



33.7922, 0.3034, 0.5482



16.1574, 0.2778, 0.3289



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



36.7514, 0.2338, 0.3288



65.6098, 0.2275, 0.3288



17.4359, 0.2070, 0.2191



9.6315, 0.2986, 0.3290



25.0815, 0.2247, 0.3288



0.7892, 0.2247, 0.3288

Inverse Universe

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



12.7084, 0.5416, 0.3297



19.2564, 0.6041, 0.3298



22.3324, 0.4706, 0.4091



8.5053, 0.3287, 0.3290



6.7724, 0.6401, 0.3300



0.2131, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 36.7500, 0.2338, 0.3288 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 36.7500, 0.2338, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

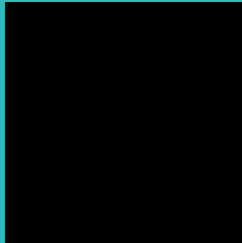
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

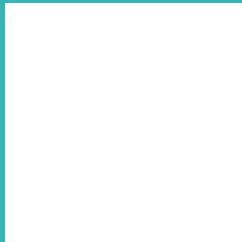
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.7500, 0.2338, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 36.7500, 0.2338, 0.3288.

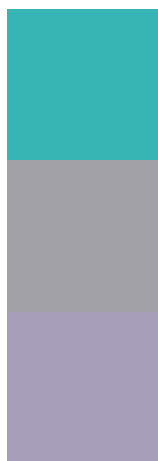


This preview shows how white text looks on a background with the Yxy color 36.7500, 0.2338, 0.3288.

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

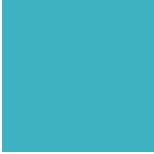
36.7500, 0.2338, 0.3288

Protanopia

36.1034, 0.3085, 0.3190

Deuteranopia

36.1720, 0.2977, 0.2916



Tritanopia

36.7152, 0.2288, 0.3051

Trichromacy



Original Color

36.7500, 0.2338, 0.3288

Protanomaly

35.2689, 0.2723, 0.3227

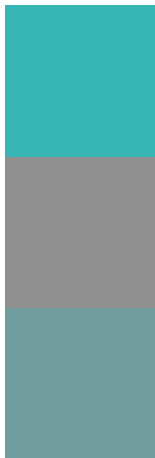
Deuteranomaly

35.1270, 0.2657, 0.3032

Tritanomaly

36.8008, 0.2307, 0.3144

Monochromacy



Original Color

36.7500, 0.2338, 0.3288

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

29.5567, 0.2720, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7500, 0.2338, 0.3288 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(55, 180, 180)` looks like.

```
.text, #text, p{  
    color:rgb(55, 180, 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(55, 180, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 180, 180) }
```

Border

The CSS property to change the border of an element to Yxy 36.7500, 0.2338, 0.3288 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(55, 180, 180) }
```

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

```
.border{ border-color:rgb(55, 180, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 180, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 180, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 180, 180);  
box-shadow:4px 4px 4px 4px rgb(55, 180,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7500, 0.2338, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 180, 180) }
```

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

```
.background{ background-color: rgb(55, 180,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor