

Converting Colors

$Y_{xy}(37.3745, 0.2156, 0.2777)$

Have a look what the booklet for
Yxy(37.3745, 0.2156, 0.2777)
contains.

Yxy(37.5516, 0.2160, 0.2789)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.5516, 0.2160, 0.2789)

Conversions

Conversions Part 1

Format	Color
Hex	2DB3D4
RGB	45, 179, 212
RGB Percent	18%, 70%, 83%
CMY	0.8240, 0.2980, 0.1686
CMYK	0.79, 0.16, 0.00, 0.17
HSL	192°, 66%, 50%
HSV	192°, 79%, 83%
XYZ	29.0826, 37.5516, 68.0076
YIQ	142.6960, -90.4570, -18.1450

Conversions

Conversions Part 2

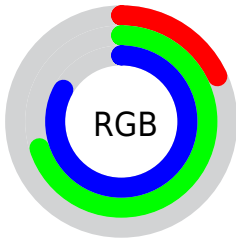
Format	Color
R_{YB}	45, 119, 212
Decimal	2995156
CIE _{Lab}	67.69, -23.80, -26.67
CIE _{LCh}	68, 35.746, 228.253
Yxy	37.5516, 0.2160, 0.2789
Android (android.graphics.Color)	4281185236 (0xFF2DB3D4)
YUV	142.6960, 34.1669, -85.6794
Hunter-Lab	61.2794, -22.5244, -22.9042

Details

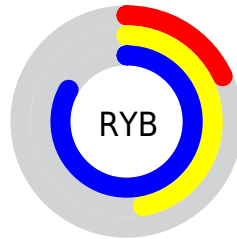
The Yxy color **37.5516, 0.2160, 0.2789** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **19.6199, 0.5555, 0.3592**, and the grayscale version is **27.2176, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.4882, 0.2391, 0.3051**, and **17.3560, 0.2070, 0.2652** is the 20% darker color. If you saturate the color by 10%, you get **35.5351, 0.2106, 0.2717**, and if you desaturate by 10%, it is **39.8628, 0.2233, 0.2861**.

Distribution



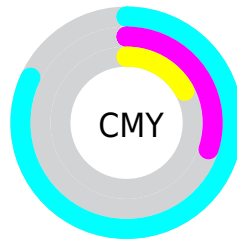
- Red (18%)
- Green (70%)
- Blue (83%)



- Red (18%)
- Yellow (47%)
- Blue (83%)



- Cyan (79%)
- Magenta (16%)
- Yellow (0%)
- Black (17%)





- Cyan (82%)
- Magenta (30%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5516, 0.2160, 0.2789 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 37.5516, 0.2160, 0.2789 by changing the saturation by 10% instead.


 37.5516, 0.2160,
0.2789


 37.5516, 0.2160,
0.2789


335.6925, 0.2639,
0.3059

 25.6349, 0.2044,
0.2717


 71.4203, 0.2332,
0.2891

 16.5507, 0.1898,
0.2622


 94.1411, 0.2397,
0.2928


 9.9147, 0.1710,
0.2492


 121.2320, 0.2452,
0.2959

 5.3424, 0.1461,
0.2306

 153.0775, 0.2500,
0.2985

 2.4495, 0.1125,
0.2025

 190.0619, 0.2542,
0.3008

 0.8512, 0.0433,
0.1616

232.5696, 0.2578,

 0.0000, 0.0000,

0.3027

0.0000

280.9850, 0.2610,
0.3044

■ 37.5516, 0.2160,
0.2789

■ 37.5516, 0.2160,
0.2789

■ 35.5351, 0.2106,
0.2717

■ 39.8628, 0.2233,
0.2861

■ 33.7584, 0.2070,
0.2646

■ 42.4968, 0.2325,
0.2933

■ 33.5577, 0.2066,
0.2638

■ 45.4827, 0.2435,
0.3002

■ 48.8444, 0.2559,
0.3069

■ 52.6040, 0.2696,
0.3132

■ 56.7812, 0.2841,
0.3192

■ 61.3948, 0.2992,
0.3246

■ 66.4618, 0.3145,
0.3296

■ 71.9988, 0.3299,
0.3340

Harmonies

Analogous

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



37.5516, 0.2302, 0.3258



37.5516, 0.2160, 0.2789



37.5516, 0.2245, 0.2511

Triad

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



37.5516, 0.2160, 0.2789



37.5516, 0.3568, 0.2843



37.5516, 0.3677, 0.4252

Complementary

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



37.5516, 0.2160, 0.2789



19.6199, 0.5555, 0.3592

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.



37.5516, 0.4065, 0.4028



37.5516, 0.2160, 0.2789



37.5516, 0.4016, 0.3226

Square

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



37.5516, 0.2160, 0.2789



37.5516, 0.3020, 0.2565



37.5516, 0.4200, 0.3648



37.5516, 0.3160, 0.4186

Rectangle

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



37.5516, 0.2160, 0.2789



37.5516, 0.2422, 0.2443



37.5516, 0.4200, 0.3648



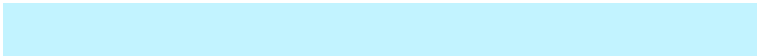
37.5516, 0.3828, 0.4204

Sweetspot

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



37.5529, 0.2160, 0.2789



82.7134, 0.2761, 0.3160



48.1618, 0.2919, 0.5426



17.2263, 0.2709, 0.3138



0.0000, 0.0000, 0.0000



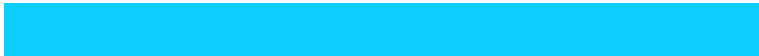
21.4041, 0.3127, 0.3290

Same Dimension

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



37.5529, 0.2160, 0.2789



52.0092, 0.2079, 0.2666



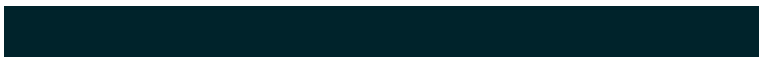
14.0091, 0.1815, 0.1468



13.6718, 0.2983, 0.3243



20.8582, 0.2069, 0.2648



1.3667, 0.2103, 0.2771

Inverse Universe

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



19.1216, 0.3630, 0.1916



26.0546, 0.3759, 0.1860



39.0132, 0.4605, 0.4487



12.5887, 0.3168, 0.3105



10.4505, 0.3778, 0.1855



0.6413, 0.3662, 0.1791

Previews

White Background



This preview shows how the Yxy color 37.5516, 0.2160, 0.2789 looks on a white background.

Color Contrast Check

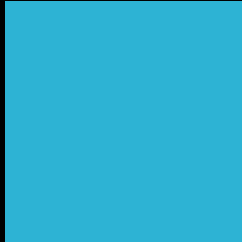
Large Text (above 18pt) WCAG AA × Fail

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 37.5516, 0.2160, 0.2789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

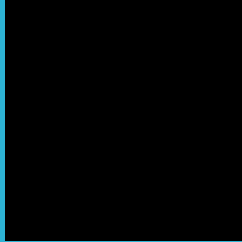
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.5516, 0.2160, 0.2789

Background



This preview shows how black text looks on a background with the Yxy color 37.5516, 0.2160, 0.2789.



This preview shows how white text looks on a background with the Yxy color 37.5516, 0.2160, 0.2789.

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

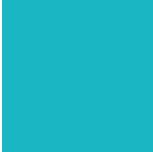
37.5516, 0.2160, 0.2789

Protanopia

36.9794, 0.2758, 0.2766

Deuteranopia

37.0269, 0.2613, 0.2553



Tritanopia

37.6744, 0.2209, 0.3066

Trichromacy



Original Color

37.5516, 0.2160, 0.2789



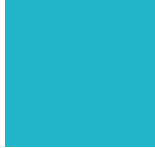
Protanomaly

36.0097, 0.2452, 0.2762



Deuteranomaly

36.3563, 0.2373, 0.2618



Tritanomaly

37.6521, 0.2189, 0.2961

Monochromacy



Original Color

37.5516, 0.2160, 0.2789



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

29.7299, 0.2600, 0.3090

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5516, 0.2160, 0.2789 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(45, 179, 212)` looks like.

```
.text, #text, p{  
    color:rgb(45, 179, 212)  
}
```

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(45, 179, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 179, 212) }
```

Border

The CSS property to change the border of an element to Yxy 37.5516, 0.2160, 0.2789 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(45, 179, 212) }
```

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

```
.border{ border-color:rgb(45, 179, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 179, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 179, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 179, 212);  
box-shadow:4px 4px 4px 4px rgb(45, 179,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5516, 0.2160, 0.2789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 179, 212) }
```

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

```
.background{ background-color: rgb(45, 179,  
212) }
```

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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