

Converting Colors

$Yxy(37.7040, 0.2154, 0.2746)$

Have a look what the booklet for
Yxy(37.7040, 0.2154, 0.2746)
contains.

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Color

Yxy(37.7749, 0.2155, 0.2749)

Conversions

Conversions Part 1

Format	Color
Hex	30B3D7
RGB	48, 179, 215
RGB Percent	19%, 70%, 84%
CMY	0.8109, 0.2981, 0.1568
CMYK	0.78, 0.17, 0.00, 0.16
HSL	193°, 68%, 52%
HSV	193°, 78%, 84%
XYZ	29.6126, 37.7749, 70.0258
YIQ	143.9350, -89.6320, -16.5760

Conversions

Conversions Part 2

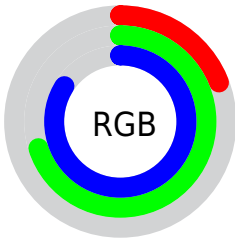
Format	Color
R _Y B	48, 121, 215
Decimal	3191767
CIE Lab	67.85, -22.48, -28.06
CIE LCh	68, 35.954, 231.298
Yxy	37.7749, 0.2155, 0.2749
Android (android.graphics.Color)	4281381847 (0xFF30B3D7)
YUV	143.9350, 35.0350, -84.1350
Hunter-Lab	61.4613, -21.5545, -24.5290

Details

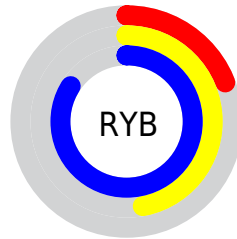
The Yxy color **37.7749, 0.2155, 0.2749** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **21.0403, 0.5475, 0.3628**, and the grayscale version is **27.7703, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.6297, 0.2398, 0.3052**, and **17.4598, 0.2056, 0.2599** is the 20% darker color. If you saturate the color by 10%, you get **35.5419, 0.2097, 0.2669**, and if you desaturate by 10%, it is **40.3267, 0.2233, 0.2829**.

Distribution



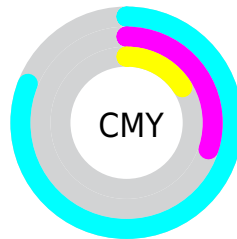
- Red (19%)
- Green (70%)
- Blue (84%)



- Red (19%)
- Yellow (47%)
- Blue (84%)



- Cyan (78%)
- Magenta (17%)
- Yellow (0%)
- Black (16%)



- Cyan (81%)
- Magenta (30%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.7749, 0.2155, 0.2749 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 37.7749, 0.2155, 0.2749 by changing the saturation by 10% instead.

■ 37.7749, 0.2155,
0.2749

■ 37.7749, 0.2155,
0.2749

■ 336.6534, 0.2635,
0.3038

■ 25.8080, 0.2039,
0.2672

■ 71.7630, 0.2327,
0.2858

■ 16.6801, 0.1893,
0.2572

■ 94.5530, 0.2392,
0.2897

■ 10.0067, 0.1706,
0.2436

■ 121.7195, 0.2448,
0.2931

■ 5.4034, 0.1459,
0.2244

■ 153.6469, 0.2496,
0.2959

■ 2.4858, 0.1126,
0.1957

■ 190.7196, 0.2538,
0.2983

■ 0.8695, 0.0491,
0.1538

233.3220, 0.2574,

■ 0.0000, 0.0000,

0.3004

0.0000

281.8384, 0.2607,
0.3022

■ 37.7749, 0.2155,
0.2749

■ 37.7749, 0.2155,
0.2749

■ 35.5419, 0.2097,
0.2669

■ 40.3267, 0.2233,
0.2829

■ 33.5787, 0.2056,
0.2591

■ 43.2261, 0.2330,
0.2907

■ 33.1259, 0.2048,
0.2572

■ 46.5025, 0.2444,
0.2984

■ 50.1809, 0.2572,
0.3057

■ 54.2837, 0.2712,
0.3126

■ 58.8314, 0.2859,
0.3190

■ 63.8433, 0.3011,
0.3249

■ 69.3371, 0.3164,
0.3302

■ 75.3298, 0.3318,
0.3351

Harmonies

Analogous

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



37.7749, 0.2275, 0.3204



37.7749, 0.2155, 0.2749



37.7749, 0.2263, 0.2492

Triad

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



37.7749, 0.2155, 0.2749



37.7749, 0.3623, 0.2877



37.7749, 0.3630, 0.4265

Complementary

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



37.7749, 0.2155, 0.2749



21.0403, 0.5475, 0.3628

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.



37.7749, 0.4039, 0.4063



37.7749, 0.2155, 0.2749



37.7749, 0.4053, 0.3268

Square

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



37.7749, 0.2155, 0.2749



37.7749, 0.3074, 0.2584



37.7749, 0.4205, 0.3691



37.7749, 0.3106, 0.4164

Rectangle

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



37.7749, 0.2155, 0.2749



37.7749, 0.2455, 0.2437



37.7749, 0.4205, 0.3691



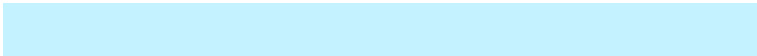
37.7749, 0.3786, 0.4225

Sweetspot

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



37.7762, 0.2155, 0.2749



82.7064, 0.2775, 0.3154



49.8417, 0.2908, 0.5361



17.1930, 0.2722, 0.3130



0.0000, 0.0000, 0.0000



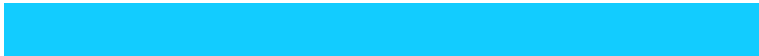
21.4041, 0.3127, 0.3290

Same Dimension

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



37.7762, 0.2155, 0.2749



50.4321, 0.2069, 0.2620



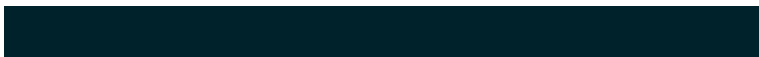
14.3228, 0.1819, 0.1457



13.6315, 0.2982, 0.3238



19.9724, 0.2051, 0.2584



1.3204, 0.2089, 0.2719

Inverse Universe

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



19.8340, 0.3665, 0.1953



26.0372, 0.3802, 0.1892



41.5630, 0.4557, 0.4508



12.5846, 0.3170, 0.3109



10.3611, 0.3840, 0.1889



0.6366, 0.3710, 0.1817

Previews

White Background



This preview shows how the Yxy color 37.7749, 0.2155, 0.2749 looks on a white background.

Color Contrast Check

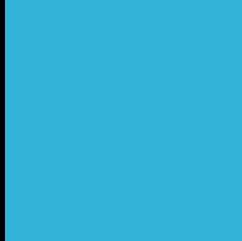
Large Text (above 18pt) WCAG AA × Fail

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 37.7749, 0.2155, 0.2749 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

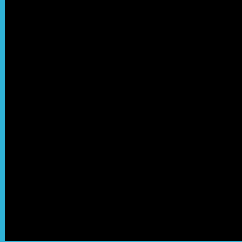
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.7749, 0.2155, 0.2749

Background



This preview shows how black text looks on a background with the Yxy color 37.7749, 0.2155, 0.2749.

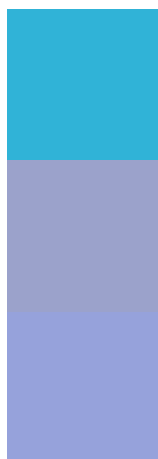


This preview shows how white text looks on a background with the Yxy color 37.7749, 0.2155, 0.2749.

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

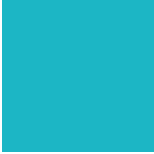
37.7749, 0.2155, 0.2749

Protanopia

37.1210, 0.2736, 0.2729

Deuteranopia

37.4392, 0.2588, 0.2531



Tritanopia

37.7340, 0.2206, 0.3051

Trichromacy



Original Color

37.7749, 0.2155, 0.2749



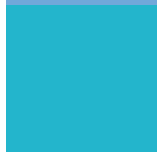
Protanomaly

36.2233, 0.2441, 0.2723



Deuteranomaly

36.5779, 0.2362, 0.2582



Tritanomaly

37.7647, 0.2183, 0.2932

Monochromacy



Original Color

37.7749, 0.2155, 0.2749



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

30.2674, 0.2603, 0.3076

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7749, 0.2155, 0.2749 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(48, 179, 215)` looks like.

```
.text, #text, p{  
    color:rgb(48, 179, 215)  
}
```

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(48, 179, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 179, 215) }
```

Border

The CSS property to change the border of an element to Yxy 37.7749, 0.2155, 0.2749 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(48, 179, 215) }
```

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

```
.border{ border-color:rgb(48, 179, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 179, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 179, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 179, 215);  
box-shadow:4px 4px 4px 4px rgb(48, 179,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7749, 0.2155, 0.2749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 179, 215) }
```

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

```
.background{ background-color: rgb(48, 179,  
215) }
```

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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