

Converting Colors

$Y_{xy}(35.4403, 0.2132, 0.2715)$

Have a look what the booklet for
Yxy(35.4403, 0.2132, 0.2715)
contains.

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Color

Yxy(35.4264, 0.2133, 0.2721)

Conversions

Conversions Part 1

Format	Color
Hex	28AED3
RGB	40, 174, 211
RGB Percent	16%, 68%, 83%
CMY	0.8428, 0.3177, 0.1726
CMYK	0.81, 0.18, 0.00, 0.17
HSL	193°, 68%, 49%
HSV	193°, 81%, 83%
XYZ	27.7709, 35.4264, 66.9990
YIQ	138.1520, -91.7410, -16.9010

Conversions

Conversions Part 2

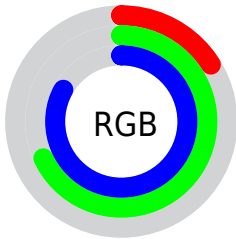
Format	Color
RYB	40, 115, 211
Decimal	2666195
CIELab	66.08, -22.01, -28.60
CIELCh	66, 36.083, 232.417
Yxy	35.4264, 0.2133, 0.2721
Android (android.graphics.Color)	4280856275 (0xFF28AED3)
YUV	138.1520, 35.9141, -86.0793
Hunter-Lab	59.5201, -20.8757, -25.0759

Details

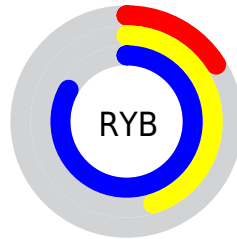
The Yxy color **35.4264, 0.2133, 0.2721** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **19.3232, 0.5601, 0.3619**, and the grayscale version is **25.3743, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.4585, 0.2367, 0.2989**, and **16.0750, 0.2045, 0.2560** is the 20% darker color. If you saturate the color by 10%, you get **33.3779, 0.2081, 0.2642**, and if you desaturate by 10%, it is **37.7680, 0.2205, 0.2801**.

Distribution



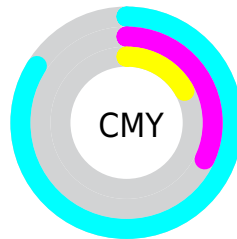
- Red (16%)
- Green (68%)
- Blue (83%)



- Red (16%)
- Yellow (45%)
- Blue (83%)



- Cyan (81%)
- Magenta (18%)
- Yellow (0%)
- Black (17%)




- Cyan (84%)
- Magenta (32%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.4264, 0.2133, 0.2721 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 35.4264, 0.2133, 0.2721 by changing the saturation by 10% instead.


 35.4264, 0.2133,
0.2721


 35.4264, 0.2133,
0.2721


326.4465, 0.2629,
0.3027

 23.9915, 0.2012,
0.2639


 68.1458, 0.2311,
0.2837


 15.3273, 0.1860,
0.2532


 90.1991, 0.2379,
0.2879

 9.0494, 0.1663,
0.2385


 116.5607, 0.2436,
0.2914

 4.7734, 0.1403,
0.2176

 147.6150, 0.2486,
0.2944

 2.1150, 0.1053,
0.1864

 183.7463, 0.2529,
0.2969

 0.6730, 0.0213,
0.1400

225.3390, 0.2566,

 0.0000, 0.0000,

0.2991

0.0000

272.7776, 0.2599,
0.3010

■ 35.4264, 0.2133,
0.2721

■ 35.4264, 0.2133,
0.2721

■ 33.3779, 0.2081,
0.2642

■ 37.7680, 0.2205,
0.2801

■ 31.7282, 0.2048,
0.2571

■ 40.4325, 0.2295,
0.2880

■ 43.4493, 0.2404,
0.2957

■ 46.8430, 0.2527,
0.3032

■ 50.6357, 0.2663,
0.3102

■ 54.8478, 0.2808,
0.3168

■ 59.4980, 0.2959,
0.3229

■ 64.6036, 0.3112,
0.3285

■ 70.1812, 0.3265,
0.3335

Harmonies

Analogous

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



35.4264, 0.2246, 0.3180



35.4264, 0.2133, 0.2721



35.4264, 0.2252, 0.2467

Triad

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



35.4264, 0.2133, 0.2721



35.4264, 0.3655, 0.2881



35.4264, 0.3622, 0.4292

Complementary

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



35.4264, 0.2133, 0.2721



19.3232, 0.5601, 0.3619

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.



35.4264, 0.4049, 0.4092



35.4264, 0.2133, 0.2721



35.4264, 0.4088, 0.3282

Square

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



35.4264, 0.2133, 0.2721



35.4264, 0.3093, 0.2577



35.4264, 0.4231, 0.3714



35.4264, 0.3083, 0.4177

Rectangle

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



35.4264, 0.2133, 0.2721



35.4264, 0.2453, 0.2418



35.4264, 0.4231, 0.3714



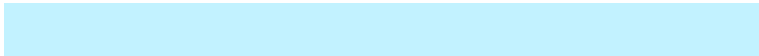
35.4264, 0.3783, 0.4254

Sweetspot

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



35.4277, 0.2133, 0.2721



82.0190, 0.2760, 0.3147



47.5378, 0.2911, 0.5444



17.0573, 0.2708, 0.3124



0.0000, 0.0000, 0.0000



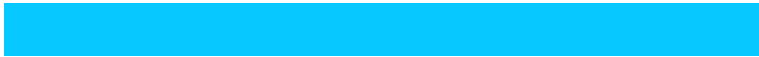
21.4041, 0.3127, 0.3290

Same Dimension

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



35.4277, 0.2133, 0.2721



49.2538, 0.2055, 0.2586



12.7011, 0.1777, 0.1376



12.9546, 0.2983, 0.3238



19.3044, 0.2051, 0.2583



1.1900, 0.2091, 0.2727

Inverse Universe

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



18.4284, 0.3695, 0.1931



25.6644, 0.3836, 0.1896



39.0490, 0.4610, 0.4526



11.9634, 0.3170, 0.3110



10.0201, 0.3841, 0.1890



0.5714, 0.3703, 0.1813

Previews

White Background



This preview shows how the Yxy color 35.4264, 0.2133, 0.2721 looks on a white background.

Color Contrast Check

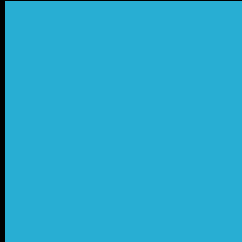
Large Text (above 18pt) WCAG AA × Fail

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 35.4264, 0.2133, 0.2721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

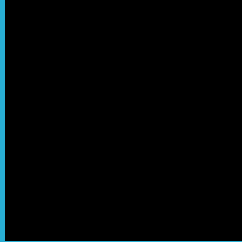
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.4264, 0.2133, 0.2721

Background



This preview shows how black text looks on a background with the Yxy color 35.4264, 0.2133, 0.2721.

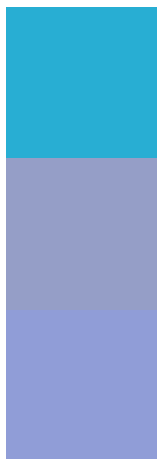


This preview shows how white text looks on a background with the Yxy color 35.4264, 0.2133, 0.2721.

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

35.4264, 0.2133, 0.2721

Protanopia

34.9668, 0.2711, 0.2714

Deuteranopia

34.9495, 0.2560, 0.2498



Tritanopia

35.2501, 0.2179, 0.3043

Trichromacy



Original Color

35.4264, 0.2133, 0.2721



Protanomaly

34.1139, 0.2410, 0.2708



Deuteranomaly

34.1136, 0.2329, 0.2549



Tritanomaly

35.2757, 0.2155, 0.2921

Monochromacy



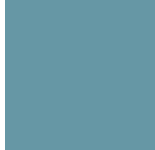
Original Color

35.4264, 0.2133, 0.2721



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

27.6746, 0.2572, 0.3051

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.4264, 0.2133, 0.2721 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(40, 174, 211)` looks like.

```
.text, #text, p{  
  color:rgb(40, 174, 211)  
}
```

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(40, 174, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 174, 211) }
```

Border

The CSS property to change the border of an element to Yxy 35.4264, 0.2133, 0.2721 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(40, 174, 211) }
```

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

```
.border{ border-color:rgb(40, 174, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 174, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 174, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 174, 211);  
box-shadow:4px 4px 4px 4px rgb(40, 174,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 35.4264, 0.2133, 0.2721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 174, 211) }
```

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

```
.background{ background-color: rgb(40, 174,  
211) }
```

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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