

Converting Colors

$Y_{xy}(35.0749, 0.2138, 0.2755)$

Have a look what the booklet for
Yxy(35.0749, 0.2138, 0.2755)
contains.

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Color

Yxy(35.2195, 0.2139, 0.2761)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 25AED0 |
| RGB | 37, 174, 208 |
| RGB Percent | 15%, 68%, 82% |
| CMY | 0.8552, 0.3176, 0.1842 |
| CMYK | 0.82, 0.16, 0.00, 0.18 |
| HSL | 192°, 70%, 48% |
| HSV | 192°, 82%, 82% |
| XYZ | 27.2852, 35.2195, 65.0559 |
| YIQ | 136.9130, -92.5660, -18.4700 |

Conversions

Conversions Part 2

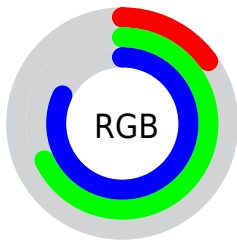
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 37, 113, 208 |
| Decimal | 2469584 |
| CIE Lab | 65.92, -23.26, -27.21 |
| CIE LCh | 66, 35.799, 229.472 |
| Yxy | 35.2195, 0.2139, 0.2761 |
| Android (android.graphics.Color) | 4280659664 (0xFF25AED0) |
| YUV | 136.9130, 35.0459, -87.6237 |
| Hunter-Lab | 59.3460, -21.7875, -23.4523 |

Details

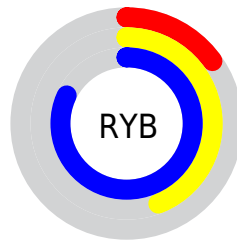
The Yxy color **35.2195, 0.2139, 0.2761** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **18.0501, 0.5678, 0.3583**, and the grayscale version is **24.8670, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.3243, 0.2360, 0.2988**, and **16.0078, 0.2054, 0.2596** is the 20% darker color. If you saturate the color by 10%, you get **33.3657, 0.2092, 0.2689**, and if you desaturate by 10%, it is **37.3439, 0.2206, 0.2834**.

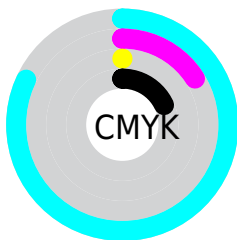
Distribution



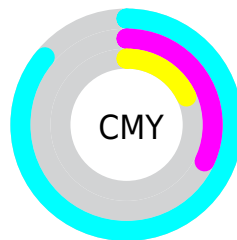
- Red (15%)
- Green (68%)
- Blue (82%)



- Red (15%)
- Yellow (44%)
- Blue (82%)



- Cyan (82%)
- Magenta (16%)
- Yellow (0%)
- Black (18%)



- Cyan (86%)
- Magenta (32%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.2195, 0.2139, 0.2761 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 35.2195, 0.2139, 0.2761 by changing the saturation by 10% instead.

35.2195, 0.2139,
0.2761

35.2195, 0.2139,
0.2761

325.5361, 0.2633,
0.3048

23.8320, 0.2018,
0.2683

67.8257, 0.2317,
0.2870

15.2091, 0.1866,
0.2581

89.8131, 0.2384,
0.2910

8.9662, 0.1669,
0.2440

116.1027, 0.2442,
0.2942

4.7192, 0.1407,
0.2238

147.0788, 0.2491,
0.2970

2.0834, 0.1053,
0.1931

183.1258, 0.2533,
0.2994

0.6553, 0.0124,
0.1473

224.6281, 0.2570,

0.0000, 0.0000,

0.3014

0.0000

271.9701, 0.2603,
0.3032

■ 35.2195, 0.2139,
0.2761

■ 35.2195, 0.2139,
0.2761

■ 33.3657, 0.2092,
0.2689

■ 37.3439, 0.2206,
0.2834

■ 32.0673, 0.2065,
0.2633

■ 39.7681, 0.2292,
0.2906

■ 42.5210, 0.2396,
0.2977

■ 45.6264, 0.2515,
0.3045

■ 49.1061, 0.2648,
0.3110

■ 52.9796, 0.2791,
0.3171

■ 57.2650, 0.2940,
0.3228

■ 61.9793, 0.3093,
0.3279

■ 67.1384, 0.3246,
0.3326

Harmonies

Analogous

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



35.2195, 0.2274, 0.3234



35.2195, 0.2139, 0.2761



35.2195, 0.2235, 0.2487

Triad

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



35.2195, 0.2139, 0.2761



35.2195, 0.3600, 0.2848



35.2195, 0.3668, 0.4279

Complementary

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



35.2195, 0.2139, 0.2761



18.0501, 0.5678, 0.3583

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.



35.2195, 0.4074, 0.4057



35.2195, 0.2139, 0.2761



35.2195, 0.4051, 0.3241

Square

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



35.2195, 0.2139, 0.2761



35.2195, 0.3039, 0.2559



35.2195, 0.4225, 0.3671



35.2195, 0.3137, 0.4198

Rectangle

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



35.2195, 0.2139, 0.2761



35.2195, 0.2421, 0.2424



35.2195, 0.4225, 0.3671



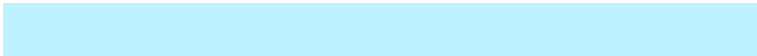
35.2195, 0.3824, 0.4232

Sweetspot

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



35.2208, 0.2139, 0.2761



82.0238, 0.2746, 0.3153



45.9416, 0.2922, 0.5507



17.0886, 0.2696, 0.3131



0.0000, 0.0000, 0.0000



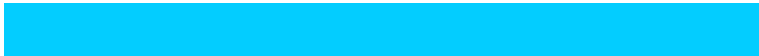
21.4041, 0.3127, 0.3290

Same Dimension

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



35.2208, 0.2139, 0.2761



50.7975, 0.2066, 0.2632



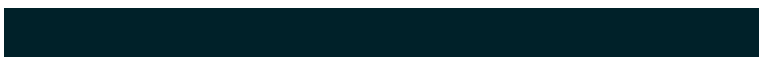
12.4497, 0.1774, 0.1389



12.9909, 0.2983, 0.3243



20.1175, 0.2068, 0.2644



1.2290, 0.2104, 0.2775

Inverse Universe

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



17.7899, 0.3660, 0.1897



25.7129, 0.3792, 0.1866



36.6105, 0.4659, 0.4503



11.9671, 0.3168, 0.3106



10.1021, 0.3782, 0.1857



0.5754, 0.3658, 0.1789

Previews

White Background



This preview shows how the Yxy color 35.2195, 0.2139, 0.2761 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 35.2195, 0.2139, 0.2761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

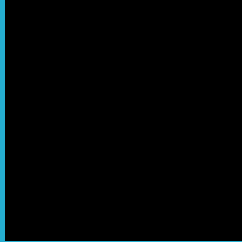
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.2195, 0.2139, 0.2761

Background



This preview shows how black text looks on a background with the Yxy color 35.2195, 0.2139, 0.2761.



This preview shows how white text looks on a background with the Yxy color 35.2195, 0.2139, 0.2761.

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

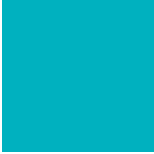
35.2195, 0.2139, 0.2761

Protanopia

34.5835, 0.2740, 0.2739

Deuteranopia

34.8872, 0.2588, 0.2535



Tritanopia

35.2059, 0.2183, 0.3059

Trichromacy



Original Color

35.2195, 0.2139, 0.2761



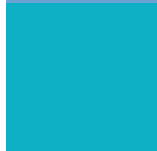
Protanomaly

33.6157, 0.2425, 0.2733



Deuteranomaly

33.9617, 0.2345, 0.2586



Tritanomaly

35.1675, 0.2162, 0.2951

Monochromacy



Original Color

35.2195, 0.2139, 0.2761



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

27.2237, 0.2577, 0.3066

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.2195, 0.2139, 0.2761 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(37, 174, 208)` looks like.

```
.text, #text, p{  
    color:rgb(37, 174, 208)  
}
```

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(37, 174, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 174, 208) }
```

Border

The CSS property to change the border of an element to Yxy 35.2195, 0.2139, 0.2761 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(37, 174, 208) }
```

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

```
.border{ border-color:rgb(37, 174, 208) }
```

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

Here you see how a box with a 4 pixel rgb(37, 174, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 174, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 174, 208);  
box-shadow:4px 4px 4px 4px rgb(37, 174,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 35.2195, 0.2139, 0.2761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 174, 208) }
```

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

```
.background{ background-color: rgb(37, 174,  
208) }
```

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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