

Converting Colors

$Y_{xy}(37.9019, 0.2206, 0.2681)$

Have a look what the booklet for
Yxy(37.9019, 0.2206, 0.2681)
contains.

Yxy(37.9621, 0.2210, 0.2689)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(37.9621, 0.2210, 0.2689)

Conversions

Conversions Part 1

Format	Color
Hex	4AB1DA
RGB	74, 177, 218
RGB Percent	29%, 69%, 85%
CMY	0.7099, 0.3059, 0.1451
CMYK	0.66, 0.19, 0.00, 0.15
HSL	197°, 66%, 57%
HSV	197°, 66%, 85%
XYZ	31.1998, 37.9621, 72.0136
YIQ	150.8770, -74.5490, -9.0850

Conversions

Conversions Part 2

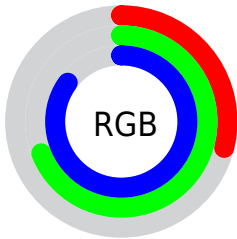
Format	Color
RYB	74, 134, 218
Decimal	4895194
CIELab	67.99, -17.13, -29.44
CIELCh	68, 34.058, 239.811
Yxy	37.9621, 0.2210, 0.2689
Android (android.graphics.Color)	4283085274 (0xFF4AB1DA)
YUV	150.8770, 33.0916, -67.4211
Hunter-Lab	61.6134, -17.4346, -26.1687

Details

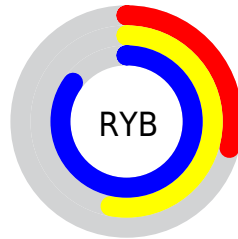
The Yxy color **37.9621, 0.2210, 0.2689** is a light color, and the websafe version is hex **0099CC**. The color can be described as light muted azure. A complement of this color would be **27.6571, 0.4913, 0.3746**, and the grayscale version is **30.7708, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.8162, 0.2462, 0.3032**, and **17.0596, 0.2029, 0.2505** is the 20% darker color. If you saturate the color by 10%, you get **34.8470, 0.2119, 0.2581**, and if you desaturate by 10%, it is **41.4911, 0.2320, 0.2795**.

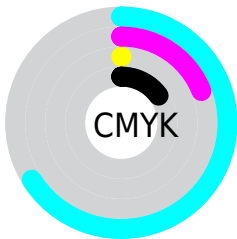
Distribution



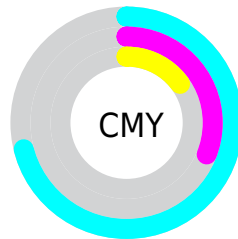
- Red (29%)
- Green (69%)
- Blue (85%)



- Red (29%)
- Yellow (53%)
- Blue (85%)



- Cyan (66%)
- Magenta (19%)
- Yellow (0%)
- Black (15%)



- Cyan (71%)
- Magenta (31%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.9621, 0.2210, 0.2689 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 37.9621, 0.2210, 0.2689 by changing the saturation by 10% instead.

■ 37.9621, 0.2210,
0.2689

■ 37.9621, 0.2210,
0.2689

■ 337.4574, 0.2664,
0.3004

■ 25.9533, 0.2100,
0.2607

■ 72.0500, 0.2373,
0.2806

■ 16.7887, 0.1962,
0.2501

■ 94.8980, 0.2435,
0.2849

■ 10.0839, 0.1783,
0.2359

■ 122.1277, 0.2487,
0.2886

■ 5.4547, 0.1546,
0.2161

■ 154.1236, 0.2533,
0.2917

■ 2.5164, 0.1224,
0.1870

■ 191.2702, 0.2572,
0.2943

■ 0.8848, 0.0689,
0.1441

■ 233.9517, 0.2607,

■ 0.0000, 0.0000,

0.2966

0.0000

282.5526, 0.2637,
0.2986

■ 37.9621, 0.2210,
0.2689

■ 37.9621, 0.2210,
0.2689

■ 34.8470, 0.2119,
0.2581

■ 41.4911, 0.2320,
0.2795

■ 32.1076, 0.2048,
0.2473

■ 45.4592, 0.2445,
0.2897

■ 29.7035, 0.1996,
0.2367

■ 49.8939, 0.2582,
0.2995

■ 28.8203, 0.1979,
0.2325

■ 54.8188, 0.2728,
0.3086

■ 60.2558, 0.2880,
0.3170

■ 66.2253, 0.3034,
0.3247

■ 72.7462, 0.3187,
0.3316

■ 79.8368, 0.3338,
0.3379

■ 84.5192, 0.3377,
0.3439

Harmonies

Analogous

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



37.9621, 0.2263, 0.3074



37.9621, 0.2210, 0.2689



37.9621, 0.2373, 0.2499

Triad

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



37.9621, 0.2210, 0.2689



37.9621, 0.3731, 0.2998



37.9621, 0.3470, 0.4215

Complementary

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



37.9621, 0.2210, 0.2689



27.6571, 0.4913, 0.3746

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.



37.9621, 0.3901, 0.4101



37.9621, 0.2210, 0.2689



37.9621, 0.4074, 0.3387

Square

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



37.9621, 0.2210, 0.2689



37.9621, 0.3227, 0.2685



37.9621, 0.4132, 0.3784



37.9621, 0.2968, 0.4027

Rectangle

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



37.9621, 0.2210, 0.2689



37.9621, 0.2593, 0.2483



37.9621, 0.4132, 0.3784



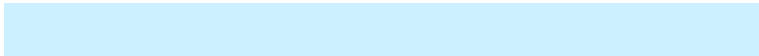
37.9621, 0.3629, 0.4208

Sweetspot

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



37.9635, 0.2210, 0.2689



82.6617, 0.2817, 0.3136



52.8322, 0.2854, 0.4868



17.2248, 0.2774, 0.3112



0.0000, 0.0000, 0.0000



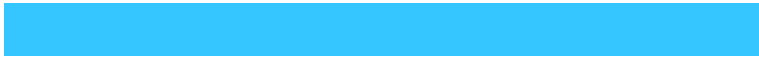
21.4041, 0.3127, 0.3290

Same Dimension

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



37.9635, 0.2210, 0.2689



48.2219, 0.2091, 0.2542



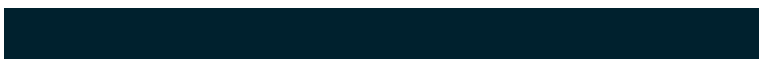
16.6587, 0.1945, 0.1576



14.1705, 0.2982, 0.3222



17.4576, 0.1984, 0.2341



1.2750, 0.2032, 0.2514

Inverse Universe

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



22.9757, 0.3699, 0.2163



27.9179, 0.3862, 0.2046



50.8551, 0.4256, 0.4520



13.2083, 0.3181, 0.3124



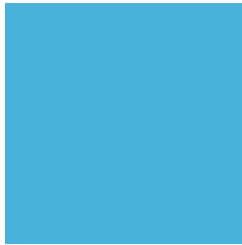
10.3861, 0.4084, 0.2023



0.6874, 0.3908, 0.1927

Previews

White Background



This preview shows how the Yxy color 37.9621, 0.2210, 0.2689 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 37.9621, 0.2210, 0.2689 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 37.9621, 0.2210, 0.2689

Background



This preview shows how black text looks on a background with the Yxy color 37.9621, 0.2210, 0.2689.

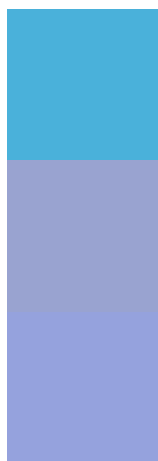


This preview shows how white text looks on a background with the Yxy color 37.9621, 0.2210, 0.2689.

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

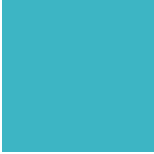
37.9621, 0.2210, 0.2689

Protanopia

37.5208, 0.2686, 0.2679

Deuteranopia

37.4507, 0.2567, 0.2506



Tritanopia

38.0254, 0.2282, 0.3054

Trichromacy



Original Color

37.9621, 0.2210, 0.2689

Protanomaly

37.0438, 0.2462, 0.2667

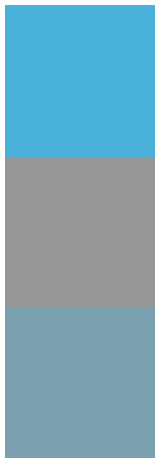
Deuteranomaly

36.9423, 0.2402, 0.2553

Tritanomaly

38.1604, 0.2257, 0.2923

Monochromacy



Original Color

37.9621, 0.2210, 0.2689

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

32.4477, 0.2680, 0.3054

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.9621, 0.2210, 0.2689 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(74, 177, 218)` looks like.

```
.text, #text, p{  
    color:rgb(74, 177, 218)  
}
```

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(74, 177, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 177, 218) }
```

Border

The CSS property to change the border of an element to Yxy 37.9621, 0.2210, 0.2689 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(74, 177, 218) }
```

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

```
.border{ border-color:rgb(74, 177, 218) }
```

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

Here you see how a box with a 4 pixel rgb(74, 177, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 177, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 177, 218);  
box-shadow:4px 4px 4px 4px rgb(74, 177,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 37.9621, 0.2210, 0.2689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 177, 218) }
```

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

```
.background{ background-color: rgb(74, 177,  
218) }
```

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