

Converting Colors

$Yxy(37.2459, 0.2181, 0.2722)$

Have a look what the booklet for
Yxy(37.2459, 0.2181, 0.2722)
contains.

Yxy(37.3427, 0.2181, 0.2722)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.3427, 0.2181, 0.2722)

Conversions

Conversions Part 1

Format	Color
Hex	3DB1D7
RGB	61, 177, 215
RGB Percent	24%, 69%, 84%
CMY	0.7601, 0.3059, 0.1568
CMYK	0.72, 0.18, 0.00, 0.16
HSL	195°, 66%, 54%
HSV	195°, 72%, 84%
XYZ	29.9208, 37.3427, 69.9250
YIQ	146.6480, -81.3340, -12.7740

Conversions

Conversions Part 2

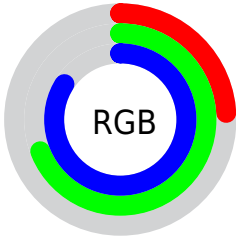
Format	Color
RYB	61, 127, 215
Decimal	4043223
CIELab	67.53, -19.92, -28.53
CIELCh	68, 34.798, 235.069
Yxy	37.3427, 0.2181, 0.2722
Android (android.graphics.Color)	4282233303 (0xFF3DB1D7)
YUV	146.6480, 33.6975, -75.1133
Hunter-Lab	61.1087, -19.5407, -25.0678

Details

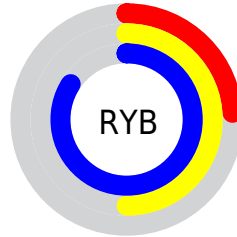
The Yxy color **37.3427, 0.2181, 0.2722** is a light color, and the websafe version is hex **0099CC**. The color can be described as light muted azure. A complement of this color would be **23.7487, 0.5182, 0.3689**, and the grayscale version is **28.9289, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.0099, 0.2420, 0.3029**, and **16.9534, 0.2043, 0.2556** is the 20% darker color. If you saturate the color by 10%, you get **34.7325, 0.2106, 0.2630**, and if you desaturate by 10%, it is **40.3110, 0.2275, 0.2814**.

Distribution



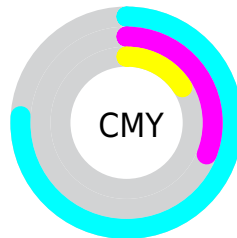
- Red (24%)
- Green (69%)
- Blue (84%)



- Red (24%)
- Yellow (50%)
- Blue (84%)



- Cyan (72%)
- Magenta (18%)
- Yellow (0%)
- Black (16%)



- Cyan (76%)
- Magenta (31%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.3427, 0.2181, 0.2722 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 37.3427, 0.2181, 0.2722 by changing the saturation by 10% instead.


 37.3427, 0.2181,
0.2722


 37.3427, 0.2181,
0.2722


334.7919, 0.2650,
0.3023

 25.4729, 0.2067,
0.2643


 71.0995, 0.2349,
0.2835

 16.4298, 0.1924,
0.2539


 93.7554, 0.2413,
0.2876


 9.8288, 0.1739,
0.2399


 120.7755, 0.2468,
0.2911

 5.2856, 0.1495,
0.2202

 152.5440, 0.2514,
0.2940

 2.4158, 0.1163,
0.1910

 189.4456, 0.2555,
0.2966

 0.8340, 0.0544,
0.1481

231.8645, 0.2591,

 0.0000, 0.0000,

0.2987

0.0000

280.1851, 0.2622,
0.3007

■ 37.3427, 0.2181,
0.2722

■ 37.3427, 0.2181,
0.2722

■ 34.7325, 0.2106,
0.2630

■ 40.3110, 0.2275,
0.2814

■ 32.4404, 0.2051,
0.2538

■ 43.6633, 0.2387,
0.2903

■ 30.7004, 0.2017,
0.2461

■ 47.4273, 0.2514,
0.2989

■ 51.6266, 0.2652,
0.3071

■ 56.2829, 0.2798,
0.3147

■ 61.4160, 0.2950,
0.3217

■ 67.0446, 0.3103,
0.3281

■ 73.1863, 0.3256,
0.3338

■ 79.8576, 0.3407,
0.3390

Harmonies

Analogous

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



37.3427, 0.2270, 0.3144



37.3427, 0.2181, 0.2722



37.3427, 0.2314, 0.2496

Triad

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



37.3427, 0.2181, 0.2722



37.3427, 0.3672, 0.2932



37.3427, 0.3557, 0.4242

Complementary

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



37.3427, 0.2181, 0.2722



23.7487, 0.5182, 0.3689

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.



37.3427, 0.3975, 0.4080



37.3427, 0.2181, 0.2722



37.3427, 0.4062, 0.3322

Square

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



37.3427, 0.2181, 0.2722



37.3427, 0.3143, 0.2631



37.3427, 0.4171, 0.3733



37.3427, 0.3043, 0.4101

Rectangle

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



37.3427, 0.2181, 0.2722



37.3427, 0.2518, 0.2459



37.3427, 0.4171, 0.3733



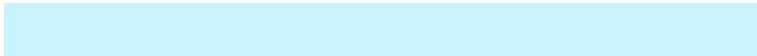
37.3427, 0.3714, 0.4217

Sweetspot

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



37.3440, 0.2181, 0.2722



83.0643, 0.2803, 0.3149



50.4668, 0.2885, 0.5127



17.3540, 0.2762, 0.3129



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.



37.3440, 0.2181, 0.2722



49.2691, 0.2075, 0.2581



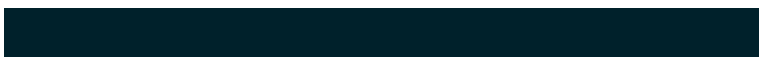
15.4469, 0.1884, 0.1534



13.5637, 0.2982, 0.3231



18.5360, 0.2021, 0.2475



1.2446, 0.2064, 0.2632

Inverse Universe

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



20.9788, 0.3680, 0.2051



26.7112, 0.3834, 0.1955



45.0541, 0.4406, 0.4511



12.5778, 0.3175, 0.3116



10.2161, 0.3948, 0.1948



0.6290, 0.3793, 0.1863

Previews

White Background



This preview shows how the Yxy color 37.3427, 0.2181, 0.2722 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 37.3427, 0.2181, 0.2722 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 37.3427, 0.2181, 0.2722

Background



This preview shows how black text looks on a background with the Yxy color 37.3427, 0.2181, 0.2722.

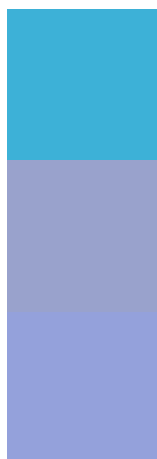


This preview shows how white text looks on a background with the Yxy color 37.3427, 0.2181, 0.2722.

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

37.3427, 0.2181, 0.2722

Protanopia

36.9726, 0.2713, 0.2714

Deuteranopia

36.9001, 0.2571, 0.2514



Tritanopia

37.1870, 0.2243, 0.3051

Trichromacy



Original Color

37.3427, 0.2181, 0.2722

Protanomaly

36.1846, 0.2458, 0.2699

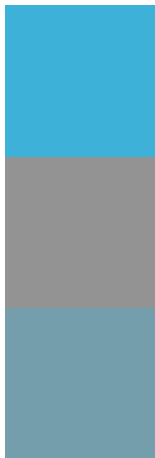
Deuteranomaly

36.4124, 0.2377, 0.2570

Tritanomaly

37.2345, 0.2220, 0.2932

Monochromacy



Original Color

37.3427, 0.2181, 0.2722

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

31.1453, 0.2644, 0.3064

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3427, 0.2181, 0.2722 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(61, 177, 215)` looks like.

```
.text, #text, p{  
    color:rgb(61, 177, 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(61, 177, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 177, 215) }
```

Border

The CSS property to change the border of an element to Yxy 37.3427, 0.2181, 0.2722 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(61, 177, 215) }
```

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

```
.border{ border-color:rgb(61, 177, 215) }
```

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

Here you see how a box with a 4 pixel rgb(61, 177, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 177, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 177, 215);  
box-shadow:4px 4px 4px 4px rgb(61, 177,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 37.3427, 0.2181, 0.2722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 177, 215) }
```

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

```
.background{ background-color: rgb(61, 177,  
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](#).

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