

Converting Colors

$Y_{xy}(42.5144, 0.2233, 0.2949)$

Have a look what the booklet for
Yxy(42.5144, 0.2233, 0.2949)
contains.

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Color

Yxy(42.5608, 0.2234, 0.2950)

Conversions

Conversions Part 1

Format	Color
Hex	3BBED5
RGB	59, 190, 213
RGB Percent	23%, 75%, 84%
CMY	0.7685, 0.2549, 0.1646
CMYK	0.72, 0.11, 0.00, 0.16
HSL	189°, 65%, 53%
HSV	189°, 72%, 84%
XYZ	32.2308, 42.5608, 69.4823
YIQ	153.4530, -85.4590, -20.6190

Conversions

Conversions Part 2

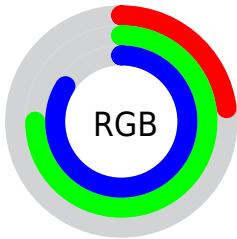
Format	Color
R _{YB}	59, 130, 213
Decimal	3915477
CIE Lab	71.26, -27.43, -21.75
CIE LCh	71, 35.007, 218.404
Yxy	42.5608, 0.2234, 0.2950
Android (android.graphics.Color)	4282105557 (0xFF3BBED5)
YUV	153.4530, 29.3567, -82.8353
Hunter-Lab	65.2386, -25.9807, -17.4797

Details

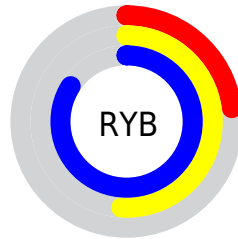
The Yxy color **42.5608, 0.2234, 0.2950** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **20.5099, 0.5369, 0.3523**, and the grayscale version is **31.9658, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2536, 0.2453, 0.3196**, and **20.0769, 0.2125, 0.2848** is the 20% darker color. If you saturate the color by 10%, you get **40.6736, 0.2175, 0.2897**, and if you desaturate by 10%, it is **44.7467, 0.2313, 0.3003**.

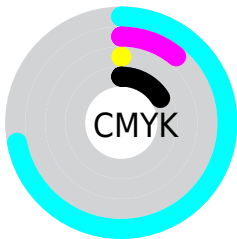
Distribution



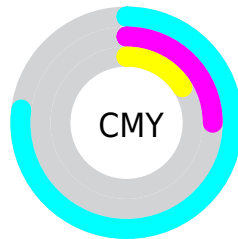
- Red (23%)
- Green (75%)
- Blue (84%)



- Red (23%)
- Yellow (51%)
- Blue (84%)



- Cyan (72%)
- Magenta (11%)
- Yellow (0%)
- Black (16%)



- Cyan (77%)
- Magenta (25%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.5608, 0.2234, 0.2950 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 42.5608, 0.2234, 0.2950 by changing the saturation by 10% instead.


 42.5608, 0.2234,
0.2950


 42.5608, 0.2234,
0.2950


356.8024, 0.2670,
0.3135


 29.5407, 0.2130,
0.2900


 79.0477, 0.2389,
0.3020

 19.4902, 0.1999,
0.2834


 103.2832, 0.2449,
0.3046


 12.0250, 0.1831,
0.2743


 132.0260, 0.2499,
0.3067

 6.7607, 0.1608,
0.2611

 165.6604, 0.2543,
0.3085

 3.3129, 0.1305,
0.2408

 204.5709, 0.2581,
0.3100

 1.2972, 0.0826,
0.2081

249.1418, 0.2614,

 0.1390, 0.0000,

0.3113

0.0696

299.7575, 0.2644,
0.3125

■ 0.0000, 0.0000,
0.0000

■ 42.5608, 0.2234,
0.2950

■ 42.5608, 0.2234,
0.2950

■ 40.6736, 0.2175,
0.2897

■ 44.7467, 0.2313,
0.3003

■ 39.0457, 0.2134,
0.2844

■ 47.2557, 0.2410,
0.3056

■ 37.9224, 0.2112,
0.2803

■ 50.1145, 0.2524,
0.3106

■ 53.3458, 0.2652,
0.3155

■ 56.9701, 0.2792,
0.3200

■ 61.0064, 0.2939,
0.3243

■ 65.4724, 0.3092,
0.3282

■ 70.3847, 0.3247,
0.3317

■ 75.7588, 0.3401,
0.3348

Harmonies

Analogous

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



42.5608, 0.2440, 0.3430



42.5608, 0.2234, 0.2950



42.5608, 0.2244, 0.2621

Triad

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



42.5608, 0.2234, 0.2950



42.5608, 0.3375, 0.2768



42.5608, 0.3787, 0.4151

Complementary

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



42.5608, 0.2234, 0.2950



20.5099, 0.5369, 0.3523

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.



42.5608, 0.4083, 0.3883



42.5608, 0.2234, 0.2950



42.5608, 0.3845, 0.3106

Square

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



42.5608, 0.2234, 0.2950



42.5608, 0.2867, 0.2548



42.5608, 0.4111, 0.3502



42.5608, 0.3326, 0.4184

Rectangle

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



42.5608, 0.2234, 0.2950



42.5608, 0.2368, 0.2511



42.5608, 0.4111, 0.3502



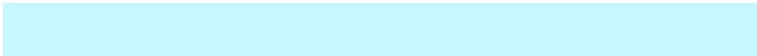
42.5608, 0.3910, 0.4082

Sweetspot

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



42.5624, 0.2234, 0.2950



85.6325, 0.2793, 0.3201



49.1043, 0.2948, 0.5355



17.9964, 0.2754, 0.3188



0.0000, 0.0000, 0.0000



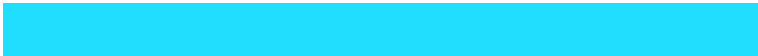
21.4041, 0.3127, 0.3290

Same Dimension

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



42.5624, 0.2234, 0.2950



59.6963, 0.2149, 0.2867



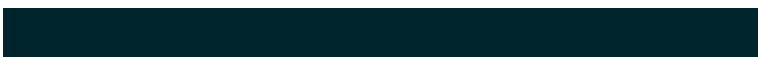
18.1117, 0.1933, 0.1749



13.7767, 0.2983, 0.3254



23.2780, 0.2114, 0.2811



1.4919, 0.2140, 0.2902

Inverse Universe

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



20.9990, 0.3481, 0.1908



27.6207, 0.3568, 0.1794



38.4319, 0.4566, 0.4363



12.5993, 0.3160, 0.3094



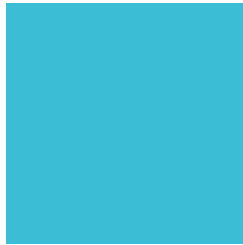
10.6948, 0.3624, 0.1770



0.6539, 0.3542, 0.1725

Previews

White Background



This preview shows how the Yxy color 42.5608, 0.2234, 0.2950 looks on a white background.

Color Contrast Check

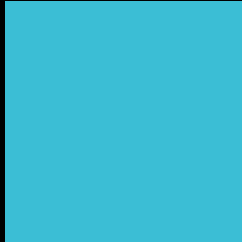
Large Text (above 18pt) WCAG AA × Fail

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 42.5608, 0.2234, 0.2950 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 42.5608, 0.2234, 0.2950

Background



This preview shows how black text looks on a background with the Yxy color 42.5608, 0.2234, 0.2950.



This preview shows how white text looks on a background with the Yxy color 42.5608, 0.2234, 0.2950.

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

42.5608, 0.2234, 0.2950

Protanopia

42.0469, 0.2864, 0.2906

Deuteranopia

42.0269, 0.2734, 0.2674



Tritanopia

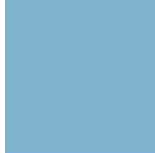
42.5788, 0.2254, 0.3049

Trichromacy



Original Color

42.5608, 0.2234, 0.2950



Protanomaly

41.2372, 0.2554, 0.2923



Deuteranomaly

40.9913, 0.2486, 0.2752



Tritanomaly

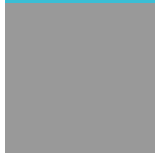
42.7058, 0.2247, 0.3021

Monochromacy



Original Color

42.5608, 0.2234, 0.2950



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

34.2895, 0.2661, 0.3148

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5608, 0.2234, 0.2950 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(59, 190, 213)` looks like.

```
.text, #text, p{  
    color:rgb(59, 190, 213)  
}
```

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(59, 190, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 190, 213) }
```

Border

The CSS property to change the border of an element to Yxy 42.5608, 0.2234, 0.2950 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(59, 190, 213) }
```

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

```
.border{ border-color:rgb(59, 190, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 190, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 190, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 190, 213);  
box-shadow:4px 4px 4px 4px rgb(59, 190,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 42.5608, 0.2234, 0.2950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 190, 213) }
```

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

```
.background{ background-color: rgb(59, 190,  
213) }
```

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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