

Converting Colors

$Y_{xy}(50.7128, 0.2243, 0.2999)$

Have a look what the booklet for
Yxy(50.7128, 0.2243, 0.2999)
contains.

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Color

Yxy(50.7128, 0.2243, 0.2999)

Conversions

Conversions Part 1

Format	Color
Hex	3ECEEE3
RGB	62, 206, 227
RGB Percent	24%, 81%, 89%
CMY	0.7563, 0.1922, 0.1098
CMYK	0.73, 0.09, 0.00, 0.11
HSL	188°, 75%, 57%
HSV	188°, 73%, 89%
XYZ	37.9289, 50.7128, 80.4573
YIQ	165.3380, -92.5650, -23.9970

Conversions

Conversions Part 2

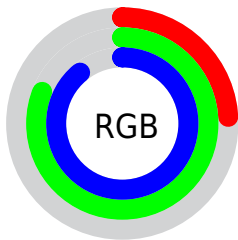
Format	Color
R _{YB}	62, 139, 227
Decimal	4116195
CIE Lab	76.50, -30.61, -21.32
CIE LCh	77, 37.309, 214.857
Yxy	50.7128, 0.2243, 0.2999
Android (android.graphics.Color)	4282306275 (0xFF3ECEEE3)
YUV	165.3380, 30.3994, -90.6274
Hunter-Lab	71.2129, -29.5512, -17.1376




Details

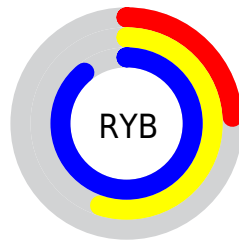
The Yxy color **50.7128, 0.2243, 0.2999** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light washed cyan. A complement of this color would be **22.8896, 0.5430, 0.3486**, and the grayscale version is **37.7030, 0.3127, 0.3290**.




A 20% lighter version of the original color is **83.6455, 0.2489, 0.3288**, and **25.1118, 0.2140, 0.2902** is the 20% darker color. If you saturate the color by 10%, you get **48.7462, 0.2188, 0.2954**, and if you desaturate by 10%, it is **53.0152, 0.2318, 0.3044**.

Distribution







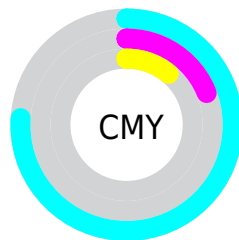
-  Red (24%)
-  Green (81%)
-  Blue (89%)






-  Red (24%)
-  Yellow (55%)
-  Blue (89%)



-  Cyan (73%)
-  Magenta (9%)
-  Yellow (0%)
-  Black (11%)




-  Cyan (76%)
-  Magenta (19%)
-  Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.7128, 0.2243, 0.2999 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 50.7128, 0.2243, 0.2999 by changing the saturation by 10% instead.


 50.7128, 0.2243,
0.2999

 50.7128, 0.2243,
0.2999

389.4469, 0.2662,
0.3155

 35.9801, 0.2146,
0.2958


 91.2301, 0.2390,
0.3058

 24.4188, 0.2026,
0.2904


 117.7835, 0.2447,
0.3079

 15.6446, 0.1873,
0.2830

 149.0459, 0.2495,
0.3097

 9.2730, 0.1675,
0.2726

 185.4017, 0.2538,
0.3112

 4.9197, 0.1411,
0.2570

227.2353, 0.2575,
0.3125

 2.2002, 0.1051,
0.2316

274.9311, 0.2607,

 0.7201, 0.0000,

0.3137

0.1958

328.8735, 0.2636,
0.3147

■ 0.0000, 0.0000,
0.0000

■ 50.7128, 0.2243,
0.2999

■ 50.7128, 0.2243,
0.2999

■ 48.7462, 0.2188,
0.2954

■ 53.0152, 0.2318,
0.3044

■ 47.0688, 0.2151,
0.2909


■ 55.6819, 0.2412,
0.3088

■ 45.9686, 0.2133,
0.2877


■ 58.7443, 0.2523,
0.3132


■ 62.2290, 0.2649,
0.3173

■ 66.1599, 0.2787,
0.3212

 70.5592, 0.2934,
0.3248

 75.4474, 0.3087,
0.3282

 80.8440, 0.3242,
0.3312

 84.5305, 0.3318,
0.3340

Harmonies

Analogous

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



50.7128, 0.2475, 0.3492



50.7128, 0.2243, 0.2999



50.7128, 0.2227, 0.2646

Triad

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



50.7128, 0.2243, 0.2999



50.7128, 0.3314, 0.2732



50.7128, 0.3836, 0.4134

Complementary

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



50.7128, 0.2243, 0.2999



22.8896, 0.5430, 0.3486

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.



50.7128, 0.4107, 0.3844



50.7128, 0.2243, 0.2999



50.7128, 0.3801, 0.3061

Square

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



50.7128, 0.2243, 0.2999



50.7128, 0.2810, 0.2528



50.7128, 0.4100, 0.3455



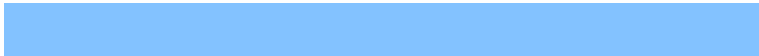
50.7128, 0.3386, 0.4201

Rectangle

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



50.7128, 0.2243, 0.2999



50.7128, 0.2336, 0.2520



50.7128, 0.4100, 0.3455



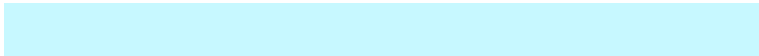
50.7128, 0.3952, 0.4055

Sweetspot

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



50.7147, 0.2243, 0.2999



86.3929, 0.2794, 0.3214



56.5640, 0.2958, 0.5404



18.1783, 0.2755, 0.3203



0.0000, 0.0000, 0.0000



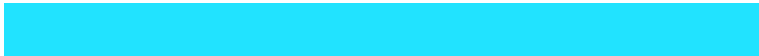
21.4041, 0.3127, 0.3290

Same Dimension

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



50.7147, 0.2243, 0.2999



62.3403, 0.2167, 0.2932



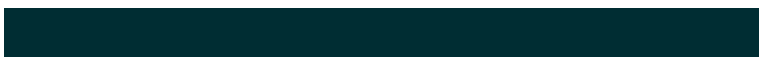
21.3291, 0.1934, 0.1776



16.0066, 0.2982, 0.3259



26.9309, 0.2134, 0.2884



2.0781, 0.2152, 0.2948

Inverse Universe

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



24.2480, 0.3440, 0.1872



27.8876, 0.3510, 0.1760



43.1608, 0.4604, 0.4340



14.5820, 0.3157, 0.3087



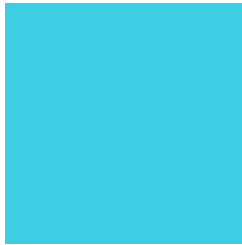
11.9164, 0.3558, 0.1734



0.8895, 0.3500, 0.1702

Previews

White Background



This preview shows how the Yxy color 50.7128, 0.2243, 0.2999 looks on a white background.

Color Contrast Check

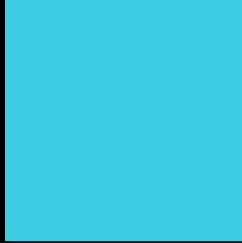
Large Text (above 18pt) WCAG AA × Fail

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 50.7128, 0.2243, 0.2999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

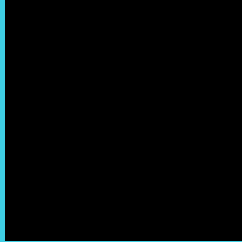
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.7128, 0.2243, 0.2999

Background



This preview shows how black text looks on a background with the Yxy color 50.7128, 0.2243, 0.2999.



This preview shows how white text looks on a background with the Yxy color 50.7128, 0.2243, 0.2999.

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

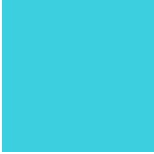
50.7128, 0.2243, 0.2999

Protanopia

50.0401, 0.2896, 0.2944

Deuteranopia

49.7604, 0.2773, 0.2704



Tritanopia

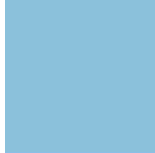
50.9140, 0.2258, 0.3066

Trichromacy



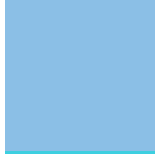
Original Color

50.7128, 0.2243, 0.2999



Protanomaly

48.7434, 0.2569, 0.2946



Deuteranomaly

48.4637, 0.2504, 0.2786



Tritanomaly

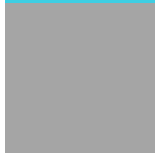
50.9996, 0.2256, 0.3053

Monochromacy



Original Color

50.7128, 0.2243, 0.2999



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

40.8626, 0.2663, 0.3172

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.7128, 0.2243, 0.2999 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(62, 206, 227)` looks like.

```
.text, #text, p{  
    color:rgb(62, 206, 227)  
}
```

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(62, 206, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 206, 227) }
```

Border

The CSS property to change the border of an element to Yxy 50.7128, 0.2243, 0.2999 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(62, 206, 227) }
```

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

```
.border{ border-color:rgb(62, 206, 227) }
```

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

Here you see how a box with a 4 pixel rgb(62, 206, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 206, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 206, 227);  
box-shadow:4px 4px 4px 4px rgb(62, 206,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 50.7128, 0.2243, 0.2999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 206, 227) }
```

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

```
.background{ background-color: rgb(62, 206,  
227) }
```

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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