

Converting Colors

$Yxy(58.0719, 0.2443, 0.3015)$

Have a look what the booklet for
Yxy(58.0719, 0.2443, 0.3015)
contains.

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Color

Yxy(58.2289, 0.2443, 0.3022)

Conversions

Conversions Part 1

Format	Color
Hex	7AD6EB
RGB	122, 214, 235
RGB Percent	48%, 84%, 92%
CMY	0.5215, 0.1608, 0.0783
CMYK	0.48, 0.09, 0.00, 0.08
HSL	191°, 74%, 70%
HSV	191°, 48%, 92%
XYZ	47.0725, 58.2289, 87.3819
YIQ	188.8860, -61.5730, -12.9730

Conversions

Conversions Part 2

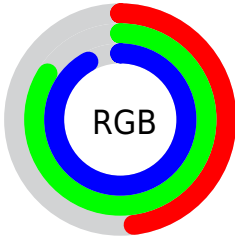
Format	Color
RYB	122, 173, 235
Decimal	8050411
CIELab	80.87, -21.93, -18.85
CIELCh	81, 28.921, 220.674
Yxy	58.2289, 0.2443, 0.3022
Android (android.graphics.Color)	4286240491 (0xFF7AD6EB)
YUV	188.8860, 22.7342, -58.6590
Hunter-Lab	76.3079, -23.4263, -14.4788

Details

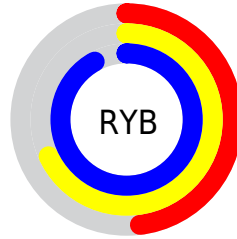
The Yxy color **58.2289, 0.2443, 0.3022** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **38.7328, 0.4339, 0.3530**, and the grayscale version is **50.7176, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4433, 0.2701, 0.3289**, and **29.0430, 0.2278, 0.2946** is the 20% darker color. If you saturate the color by 10%, you get **54.5330, 0.2334, 0.2956**, and if you desaturate by 10%, it is **62.4035, 0.2568, 0.3085**.

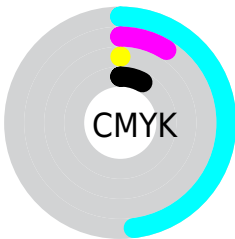
Distribution



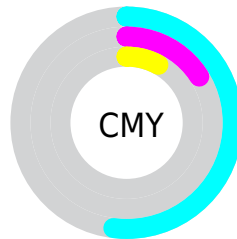
- Red (48%)
- Green (84%)
- Blue (92%)



- Red (48%)
- Yellow (68%)
- Blue (92%)



- Cyan (48%)
- Magenta (9%)
- Yellow (0%)
- Black (8%)





- Cyan (52%)
- Magenta (16%)
- Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 58.2289, 0.2443, 0.3022 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 58.2289, 0.2443, 0.3022 by changing the saturation by 10% instead.


 58.2289, 0.2443,
0.3022


 58.2289, 0.2443,
0.3022


 418.0383, 0.2763,
0.3158


 41.9927, 0.2369,
0.2988


 102.2561, 0.2555,
0.3072


 29.0956, 0.2279,
0.2944


 130.8159, 0.2598,
0.3090

 19.1531, 0.2164,
0.2886


 164.2524, 0.2635,
0.3106

 11.7810, 0.2014,
0.2807

 202.9499, 0.2667,
0.3120

 6.5947, 0.1812,
0.2691

 247.2928, 0.2696,
0.3131

 3.2100, 0.1529,
0.2511

 297.6656, 0.2721,

 1.2423, 0.1082,

0.3141

354.4527, 0.2743,
0.3150

0.2212

0.0959, 0.0000,
0.0601

0.0000, 0.0000,
0.0000

58.2289, 0.2443,
0.3022

58.2289, 0.2443,
0.3022

54.5330, 0.2334,
0.2956

62.4035, 0.2568,
0.3085

51.2784, 0.2242,
0.2889

67.0781, 0.2705,
0.3145


48.4321, 0.2170,
0.2821

72.2802, 0.2850,
0.3201

45.9530, 0.2117,
0.2753

78.0336, 0.3002,
0.3252

 43.7837, 0.2082,
0.2686

 84.3603, 0.3157,
0.3299

 43.3883, 0.2076,
0.2673

 89.7258, 0.3257,
0.3341

 92.3362, 0.3253,
0.3384

 95.0092, 0.3249,
0.3426

 97.7451, 0.3245,
0.3467

Harmonies

Analogous

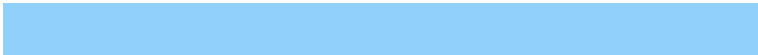
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



58.2289, 0.2593, 0.3371



58.2289, 0.2443, 0.3022



58.2289, 0.2462, 0.2777

Triad

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



58.2289, 0.2443, 0.3022



58.2289, 0.3345, 0.2910



58.2289, 0.3605, 0.3942

Complementary

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



58.2289, 0.2443, 0.3022



38.7328, 0.4339, 0.3530

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.



58.2289, 0.3832, 0.3767



58.2289, 0.2443, 0.3022



58.2289, 0.3682, 0.3179

Square

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



58.2289, 0.2443, 0.3022



58.2289, 0.2963, 0.2731



58.2289, 0.3864, 0.3486



58.2289, 0.3256, 0.3935

Rectangle

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



58.2289, 0.2443, 0.3022



58.2289, 0.2568, 0.2695



58.2289, 0.3864, 0.3486



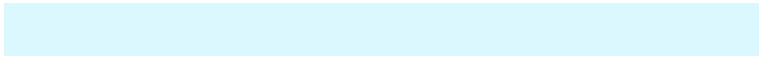
58.2289, 0.3698, 0.3901

Sweetspot

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



58.2311, 0.2443, 0.3022



89.6801, 0.2911, 0.3222



65.5507, 0.2954, 0.4536



18.8806, 0.2878, 0.3210



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.



58.2311, 0.2443, 0.3022



65.5486, 0.2332, 0.2955



34.5246, 0.2299, 0.2254



16.6174, 0.2981, 0.3245



24.3153, 0.2079, 0.2684



2.0326, 0.2105, 0.2777

Inverse Universe

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



36.4448, 0.3385, 0.2312



37.3684, 0.3457, 0.2137



60.0331, 0.4012, 0.4134



15.2629, 0.3166, 0.3100



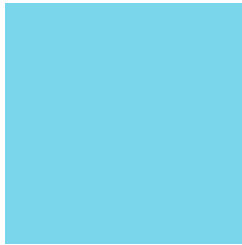
11.9474, 0.3743, 0.1836



0.9506, 0.3656, 0.1788

Previews

White Background



This preview shows how the Yxy color 58.2289, 0.2443, 0.3022 looks on a white background.

Color Contrast Check

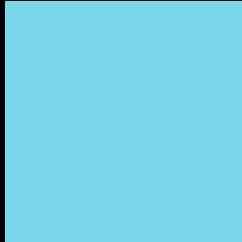
Large Text (above 18pt) WCAG AA × Fail

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 58.2289, 0.2443, 0.3022 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

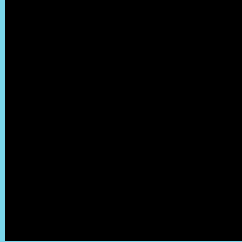
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.2289, 0.2443, 0.3022

Background



This preview shows how black text looks on a background with the Yxy color 58.2289, 0.2443, 0.3022.



This preview shows how white text looks on a background with the Yxy color 58.2289, 0.2443, 0.3022.

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

58.2289, 0.2443, 0.3022

Protanopia

57.5602, 0.2923, 0.2975

Deuteranopia

57.5416, 0.2858, 0.2792



Tritanopia

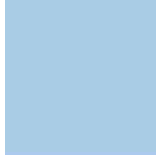
58.4920, 0.2455, 0.3072

Trichromacy



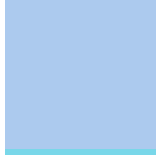
Original Color

58.2289, 0.2443, 0.3022



Protanomaly

57.2779, 0.2716, 0.2986



Deuteranomaly

57.1848, 0.2680, 0.2861



Tritanomaly

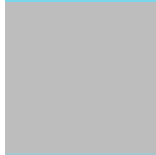
58.5490, 0.2451, 0.3060

Monochromacy



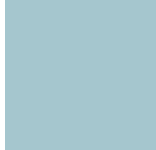
Original Color

58.2289, 0.2443, 0.3022



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

52.8437, 0.2825, 0.3187

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.2289, 0.2443, 0.3022 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(122, 214, 235)` looks like.

```
.text, #text, p{  
    color:rgb(122, 214, 235)  
}
```

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(122, 214, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 214, 235) }
```

Border

The CSS property to change the border of an element to Yxy 58.2289, 0.2443, 0.3022 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(122, 214, 235) }
```

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

```
.border{ border-color:rgb(122, 214, 235) }
```

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

Here you see how a box with a 4 pixel rgb(122, 214, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 214, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 214, 235);  
box-shadow:4px 4px 4px 4px rgb(122, 214,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 58.2289, 0.2443, 0.3022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 214, 235) }
```

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

```
.background{ background-color: rgb(122,  
214, 235) }
```

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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