

Converting Colors

$Yxy(44.8271, 0.2174, 0.2731)$

Have a look what the booklet for
Yxy(44.8271, 0.2174, 0.2731)
contains.

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Color

Yxy(44.6392, 0.2170, 0.2721)

Conversions

Conversions Part 1

Format	Color
Hex	3FC0E9
RGB	63, 192, 233
RGB Percent	25%, 75%, 91%
CMY	0.7533, 0.2470, 0.0864
CMYK	0.73, 0.18, 0.00, 0.09
HSL	194°, 79%, 58%
HSV	194°, 73%, 91%
XYZ	35.5998, 44.6392, 83.8154
YIQ	158.1030, -90.0450, -14.5970

Conversions

Conversions Part 2

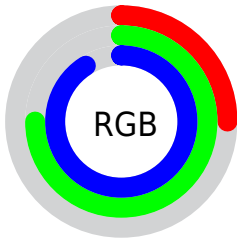
Format	Color
R _Y B	63, 136, 233
Decimal	4178153
CIE Lab	72.65, -21.71, -30.44
CIE LCh	73, 37.392, 234.507
Yxy	44.6392, 0.2170, 0.2721
Android (android.graphics.Color)	4282368233 (0xFF3FC0E9)
YUV	158.1030, 36.9242, -83.4053
Hunter-Lab	66.8126, -21.8117, -27.6096

Details

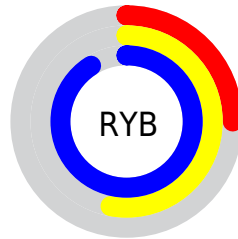
The Yxy color **44.6392, 0.2170, 0.2721** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **27.5518, 0.5264, 0.3678**, and the grayscale version is **34.0892, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.8769, 0.2476, 0.3219**, and **21.3513, 0.2046, 0.2566** is the 20% darker color. If you saturate the color by 10%, you get **41.6127, 0.2099, 0.2631**, and if you desaturate by 10%, it is **48.0870, 0.2260, 0.2811**.

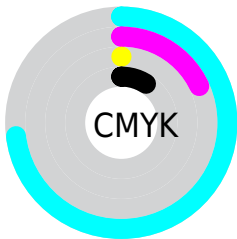
Distribution



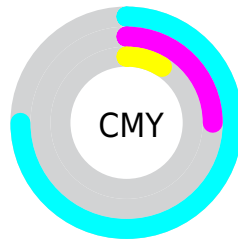
- Red (25%)
- Green (75%)
- Blue (91%)



- Red (25%)
- Yellow (53%)
- Blue (91%)



- Cyan (73%)
- Magenta (18%)
- Yellow (0%)
- Black (9%)





- Cyan (75%)
- Magenta (25%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.6392, 0.2170, 0.2721 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 44.6392, 0.2170, 0.2721 by changing the saturation by 10% instead.

 44.6392, 0.2170,
0.2721

 44.6392, 0.2170,
0.2721

365.3103, 0.2630,
0.3015


 31.1733, 0.2063,
0.2647


 82.1787, 0.2332,
0.2829

 20.7309, 0.1929,
0.2551


 107.0212, 0.2394,
0.2869

 12.9274, 0.1761,
0.2425


 136.4246, 0.2448,
0.2903

 7.3786, 0.1542,
0.2252

 170.7734, 0.2494,
0.2932

 3.7000, 0.1253,
0.2003

210.4520, 0.2534,
0.2957

 1.5072, 0.0868,
0.1632

255.8448, 0.2570,

 0.2938, 0.0000,

0.2979

0.0809

307.3361, 0.2602,
0.2998

0.0000, 0.0000,
0.0000

44.6392, 0.2170,
0.2721

44.6392, 0.2170,
0.2721

41.6127, 0.2099,
0.2631

48.0870, 0.2260,
0.2811

38.9574, 0.2049,
0.2541

51.9887, 0.2369,
0.2899

37.2725, 0.2022,
0.2479

56.3786, 0.2493,
0.2984

61.2857, 0.2630,
0.3064

66.7366, 0.2775,
0.3139

■ 72.7557, 0.2927,
0.3209

■ 79.3660, 0.3081,
0.3272

■ 86.5887, 0.3235,
0.3329

■ 90.9559, 0.3268,
0.3384

Harmonies

Analogous

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



44.6392, 0.2264, 0.3151



44.6392, 0.2170, 0.2721



44.6392, 0.2300, 0.2489

Triad

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



44.6392, 0.2170, 0.2721



44.6392, 0.3669, 0.2921



44.6392, 0.3570, 0.4254

Complementary

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



44.6392, 0.2170, 0.2721



27.5518, 0.5264, 0.3678

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.



44.6392, 0.3991, 0.4084



44.6392, 0.2170, 0.2721



44.6392, 0.4068, 0.3314

Square

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



44.6392, 0.2170, 0.2721



44.6392, 0.3133, 0.2619



44.6392, 0.4184, 0.3730



44.6392, 0.3051, 0.4118

Rectangle

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



44.6392, 0.2170, 0.2721



44.6392, 0.2504, 0.2450



44.6392, 0.4184, 0.3730



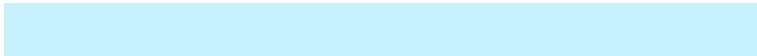
44.6392, 0.3729, 0.4226

Sweetspot

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



44.6408, 0.2170, 0.2721



82.5480, 0.2789, 0.3146



60.2913, 0.2885, 0.5176



17.2602, 0.2748, 0.3126



0.0000, 0.0000, 0.0000



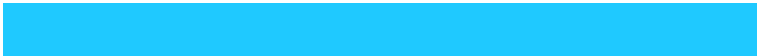
21.4041, 0.3127, 0.3290

Same Dimension

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



44.6408, 0.2170, 0.2721



49.2549, 0.2069, 0.2582



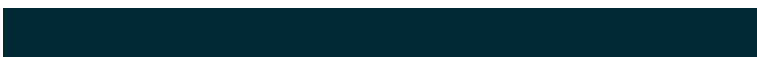
17.7143, 0.1858, 0.1486



16.4713, 0.2981, 0.3232



21.3552, 0.2026, 0.2493



1.8240, 0.2060, 0.2616

Inverse Universe

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



24.6706, 0.3684, 0.2025



26.4339, 0.3835, 0.1940



53.4848, 0.4435, 0.4528



15.2481, 0.3175, 0.3113



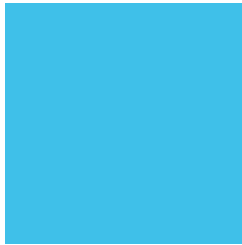
11.6486, 0.3929, 0.1938



0.9295, 0.3808, 0.1872

Previews

White Background



This preview shows how the Yxy color 44.6392, 0.2170, 0.2721 looks on a white background.

Color Contrast Check

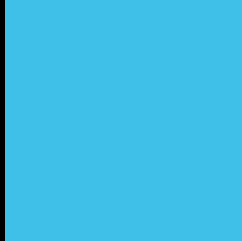
Large Text (above 18pt) WCAG AA × Fail

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 44.6392, 0.2170, 0.2721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

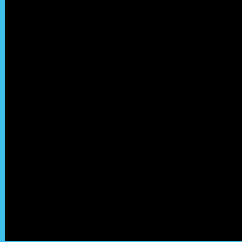
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.6392, 0.2170, 0.2721

Background



This preview shows how black text looks on a background with the Yxy color 44.6392, 0.2170, 0.2721.



This preview shows how white text looks on a background with the Yxy color 44.6392, 0.2170, 0.2721.

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

44.6392, 0.2170, 0.2721

Protanopia

43.9874, 0.2711, 0.2704

Deuteranopia

43.9636, 0.2574, 0.2508



Tritanopia

44.8142, 0.2231, 0.3053

Trichromacy



Original Color

44.6392, 0.2170, 0.2721



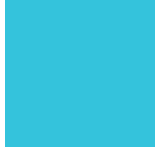
Protanomaly

43.1511, 0.2451, 0.2700



Deuteranomaly

43.4638, 0.2371, 0.2569



Tritanomaly

44.9276, 0.2207, 0.2929

Monochromacy



Original Color

44.6392, 0.2170, 0.2721



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

36.4632, 0.2629, 0.3063

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.6392, 0.2170, 0.2721 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(63, 192, 233)` looks like.

```
.text, #text, p{  
    color:rgb(63, 192, 233)  
}
```

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(63, 192, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 192, 233) }
```

Border

The CSS property to change the border of an element to Yxy 44.6392, 0.2170, 0.2721 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(63, 192, 233) }
```

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

```
.border{ border-color:rgb(63, 192, 233) }
```

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

Here you see how a box with a 4 pixel rgb(63, 192, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 192, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 192, 233);  
box-shadow:4px 4px 4px 4px rgb(63, 192,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 44.6392, 0.2170, 0.2721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 192, 233) }
```

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

```
.background{ background-color: rgb(63, 192,  
233) }
```

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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