

Converting Colors

$Y_{xy}(45.9879, 0.2170, 0.2687)$

Have a look what the booklet for
Yxy(45.9879, 0.2170, 0.2687)
contains.

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Color

Yxy(45.9856, 0.2171, 0.2691)

Conversions

Conversions Part 1

Format	Color
Hex	44C2EE
RGB	68, 194, 238
RGB Percent	27%, 76%, 93%
CMY	0.7339, 0.2392, 0.0667
CMYK	0.71, 0.18, 0.00, 0.07
HSL	196°, 83%, 60%
HSV	196°, 71%, 93%
XYZ	37.0995, 45.9856, 87.8016
YIQ	161.3420, -89.2200, -13.0280

Conversions

Conversions Part 2

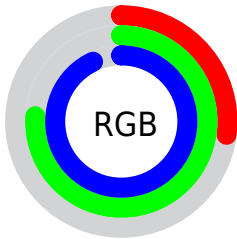
Format	Color
R _Y B	68, 140, 238
Decimal	4506350
CIE Lab	73.54, -20.52, -31.78
CIE LCh	74, 37.833, 237.150
Yxy	45.9856, 0.2171, 0.2691
Android (android.graphics.Color)	4282696430 (0xFF44C2EE)
YUV	161.3420, 37.7924, -81.8609
Hunter-Lab	67.8127, -21.0170, -29.2978

Details

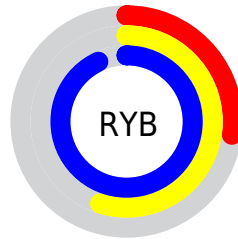
The Yxy color **45.9856, 0.2171, 0.2691** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **30.1442, 0.5177, 0.3709**, and the grayscale version is **35.6438, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.4486, 0.2496, 0.3243**, and **22.1336, 0.2036, 0.2528** is the 20% darker color. If you saturate the color by 10%, you get **42.6179, 0.2095, 0.2593**, and if you desaturate by 10%, it is **49.8168, 0.2267, 0.2788**.

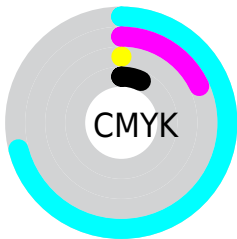
Distribution



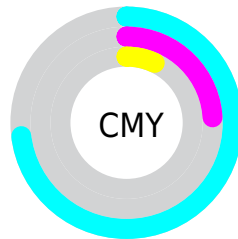
- Red (27%)
- Green (76%)
- Blue (93%)



- Red (27%)
- Yellow (55%)
- Blue (93%)



- Cyan (71%)
- Magenta (18%)
- Yellow (0%)
- Black (7%)



- Cyan (73%)
- Magenta (24%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.9856, 0.2171, 0.2691 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 45.9856, 0.2171, 0.2691 by changing the saturation by 10% instead.

■ 45.9856, 0.2171,
0.2691

■ 45.9856, 0.2171,
0.2691

■ 370.7508, 0.2628,
0.2997

■ 32.2345, 0.2065,
0.2615

■ 84.1974, 0.2331,
0.2803

■ 21.5406, 0.1934,
0.2517

■ 109.4269, 0.2393,
0.2844

■ 13.5198, 0.1768,
0.2389

■ 139.2513, 0.2446,
0.2880

■ 7.7874, 0.1555,
0.2215

■ 174.0550, 0.2492,
0.2910

■ 3.9592, 0.1273,
0.1969

■ 214.2224, 0.2533,
0.2936

■ 1.6508, 0.0901,
0.1606

■ 260.1379, 0.2568,

■ 0.3915, 0.0000,

0.2959

0.0930

312.1859, 0.2600,
0.2979

■ 0.0000, 0.0000,
0.0000

■ 45.9856, 0.2171,
0.2691

■ 45.9856, 0.2171,
0.2691

■ 42.6179, 0.2095,
0.2593

■ 49.8168, 0.2267,
0.2788

■ 39.6623, 0.2039,
0.2496

■ 54.1453, 0.2380,
0.2883

■ 37.4094, 0.2004,
0.2415

■ 59.0068, 0.2509,
0.2974

■ 64.4318, 0.2649,
0.3060

■ 70.4481, 0.2797,
0.3140

■ 77.0814, 0.2950,
0.3214

■ 84.3559, 0.3104,
0.3281

■ 91.6710, 0.3236,
0.3341

■ 95.4196, 0.3231,
0.3400

Harmonies

Analogous

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



45.9856, 0.2245, 0.3106



45.9856, 0.2171, 0.2691



45.9856, 0.2320, 0.2477

Triad

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



45.9856, 0.2171, 0.2691



45.9856, 0.3714, 0.2952



45.9856, 0.3527, 0.4257

Complementary

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



45.9856, 0.2171, 0.2691



30.1442, 0.5177, 0.3709

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.



45.9856, 0.3963, 0.4109



45.9856, 0.2171, 0.2691



45.9856, 0.4093, 0.3351

Square

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



45.9856, 0.2171, 0.2691



45.9856, 0.3181, 0.2640



45.9856, 0.4181, 0.3766



45.9856, 0.3005, 0.4091

Rectangle

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



45.9856, 0.2171, 0.2691



45.9856, 0.2536, 0.2450



45.9856, 0.4181, 0.3766



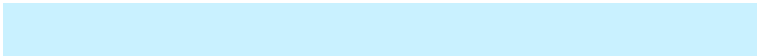
45.9856, 0.3689, 0.4238

Sweetspot

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



45.9872, 0.2171, 0.2691



82.7043, 0.2803, 0.3143



63.5021, 0.2874, 0.5100



17.2677, 0.2761, 0.3121



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.



45.9872, 0.2171, 0.2691



48.1218, 0.2065, 0.2546



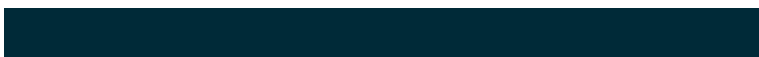
18.6341, 0.1869, 0.1487



17.1970, 0.2981, 0.3228



21.0924, 0.2008, 0.2430



1.9141, 0.2044, 0.2557

Inverse Universe

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



26.1892, 0.3709, 0.2064



26.5954, 0.3867, 0.1975



57.8275, 0.4389, 0.4539



15.9576, 0.3177, 0.3117



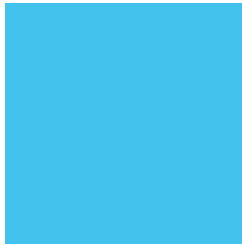
11.9226, 0.3993, 0.1973



1.0079, 0.3866, 0.1904

Previews

White Background



This preview shows how the Yxy color 45.9856, 0.2171, 0.2691 looks on a white background.

Color Contrast Check

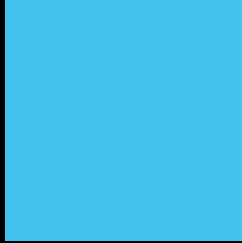
Large Text (above 18pt) WCAG AA × Fail

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 45.9856, 0.2171, 0.2691 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

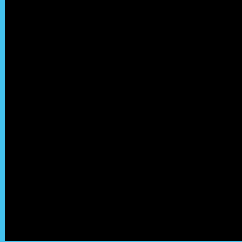
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

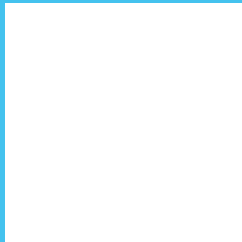
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.9856, 0.2171, 0.2691

Background



This preview shows how black text looks on a background with the Yxy color 45.9856, 0.2171, 0.2691.

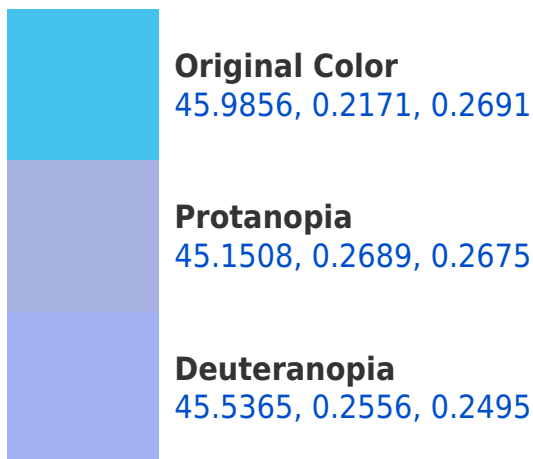


This preview shows how white text looks on a background with the Yxy color 45.9856, 0.2171, 0.2691.

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





Tritanopia

45.9470, 0.2241, 0.3056

Trichromacy



Original Color

45.9856, 0.2171, 0.2691



Protanomaly

44.4054, 0.2440, 0.2671



Deuteranomaly

44.8070, 0.2368, 0.2543



Tritanomaly

46.1301, 0.2214, 0.2920

Monochromacy



Original Color

45.9856, 0.2171, 0.2691



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

38.0733, 0.2637, 0.3053

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9856, 0.2171, 0.2691 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(68, 194, 238)` looks like.

```
.text, #text, p{  
    color:rgb(68, 194, 238)  
}
```

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(68, 194, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 194, 238) }
```

Border

The CSS property to change the border of an element to Yxy 45.9856, 0.2171, 0.2691 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(68, 194, 238) }
```

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

```
.border{ border-color:rgb(68, 194, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 194, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 194, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 194, 238);  
box-shadow:4px 4px 4px 4px rgb(68, 194,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9856, 0.2171, 0.2691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 194, 238) }
```

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

```
.background{ background-color: rgb(68, 194,  
238) }
```

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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