

Converting Colors

$Yxy(43.1197, 0.2134, 0.2661)$

Have a look what the booklet for
Yxy(43.1197, 0.2134, 0.2661)
contains.

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Color

Yxy(43.1200, 0.2134, 0.2661)

Conversions

Conversions Part 1

Format	Color
Hex	36BDEA
RGB	54, 189, 234
RGB Percent	21%, 74%, 92%
CMY	0.7872, 0.2589, 0.0823
CMYK	0.77, 0.19, 0.00, 0.08
HSL	195°, 81%, 57%
HSV	195°, 77%, 92%
XYZ	34.5803, 43.1200, 84.3441
YIQ	153.7650, -94.9050, -14.6250

Conversions

Conversions Part 2

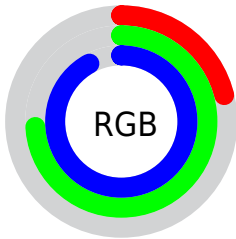
Format	Color
RYB	54, 131, 234
Decimal	3587562
CIELab	71.64, -20.80, -32.58
CIELCh	72, 38.655, 237.448
Yxy	43.1200, 0.2134, 0.2661
Android (android.graphics.Color)	4281777642 (0xFF36BDEA)
YUV	153.7650, 39.5559, -87.4939
Hunter-Lab	65.6658, -20.9153, -30.1886

Details

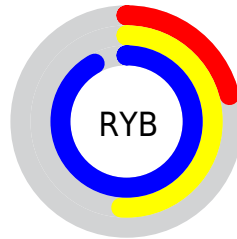
The Yxy color **43.1200, 0.2134, 0.2661** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed azure. A complement of this color would be **26.7379, 0.5396, 0.3690**, and the grayscale version is **32.0933, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0368, 0.2448, 0.3172**, and **20.8227, 0.2031, 0.2511** is the 20% darker color. If you saturate the color by 10%, you get **40.1487, 0.2070, 0.2567**, and if you desaturate by 10%, it is **46.5078, 0.2218, 0.2755**.

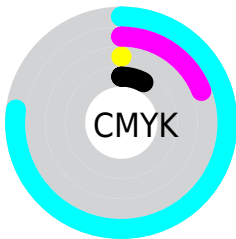
Distribution



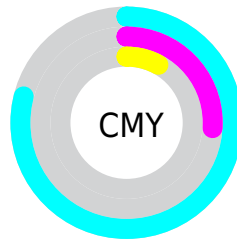
- Red (21%)
- Green (74%)
- Blue (92%)



- Red (21%)
- Yellow (51%)
- Blue (92%)



- Cyan (77%)
- Magenta (19%)
- Yellow (0%)
- Black (8%)





- Cyan (79%)
- Magenta (26%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.1200, 0.2134, 0.2661 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 43.1200, 0.2134, 0.2661 by changing the saturation by 10% instead.


 43.1200, 0.2134,
0.2661


 43.1200, 0.2134,
0.2661


359.1050, 0.2612,
0.2985

 29.9793, 0.2022,
0.2579


 79.8919, 0.2303,
0.2780


 19.8229, 0.1883,
0.2474


 104.2919, 0.2367,
0.2824


 12.2663, 0.1708,
0.2336


 133.2138, 0.2423,
0.2862

 6.9253, 0.1482,
0.2147

 167.0419, 0.2471,
0.2894

 3.4155, 0.1184,
0.1880

 206.1607, 0.2513,
0.2921

 1.3523, 0.0788,
0.1486

250.9546, 0.2550,

 0.1812, 0.0000,

0.2945

0.0506

301.8079, 0.2583,
0.2967

0.0000, 0.0000,
0.0000

43.1200, 0.2134,
0.2661

43.1200, 0.2134,
0.2661

40.1487, 0.2070,
0.2567

46.5078, 0.2218,
0.2755

37.5380, 0.2025,
0.2474

50.3480, 0.2322,
0.2848

36.7555, 0.2012,
0.2445

54.6769, 0.2441,
0.2938

59.5253, 0.2575,
0.3023

64.9211, 0.2718,
0.3104

■ 70.8898, 0.2868,
0.3179

■ 77.4553, 0.3022,
0.3247

■ 84.6398, 0.3176,
0.3309

■ 90.5456, 0.3263,
0.3366

Harmonies

Analogous

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



43.1200, 0.2208, 0.3091



43.1200, 0.2134, 0.2661



43.1200, 0.2291, 0.2443

Triad

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



43.1200, 0.2134, 0.2661



43.1200, 0.3744, 0.2942



43.1200, 0.3536, 0.4301

Complementary

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



43.1200, 0.2134, 0.2661



26.7379, 0.5396, 0.3690

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.



43.1200, 0.3994, 0.4145



43.1200, 0.2134, 0.2661



43.1200, 0.4138, 0.3355

Square

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



43.1200, 0.2134, 0.2661



43.1200, 0.3188, 0.2617



43.1200, 0.4226, 0.3785



43.1200, 0.2992, 0.4126

Rectangle

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



43.1200, 0.2134, 0.2661



43.1200, 0.2515, 0.2417



43.1200, 0.4226, 0.3785



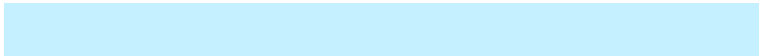
43.1200, 0.3706, 0.4281

Sweetspot

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



43.1215, 0.2134, 0.2661



81.5062, 0.2773, 0.3132



60.5437, 0.2875, 0.5239



16.8993, 0.2719, 0.3105



0.0000, 0.0000, 0.0000



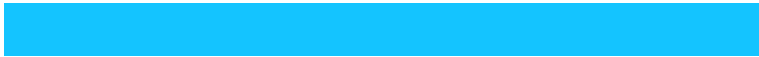
21.4041, 0.3127, 0.3290

Same Dimension

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



43.1215, 0.2134, 0.2661



46.9631, 0.2042, 0.2515



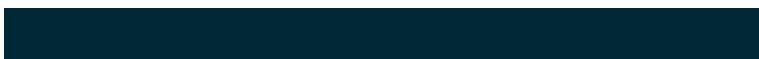
15.6929, 0.1794, 0.1349



16.4458, 0.2981, 0.3230



20.8638, 0.2017, 0.2459



1.7891, 0.2052, 0.2588

Inverse Universe

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



23.8291, 0.3746, 0.2008



25.7712, 0.3904, 0.1954



54.1860, 0.4468, 0.4584



15.2456, 0.3176, 0.3115



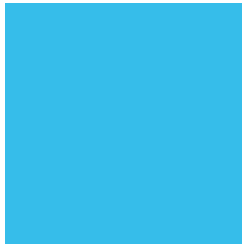
11.5990, 0.3963, 0.1957



0.9260, 0.3836, 0.1887

Previews

White Background



This preview shows how the Yxy color 43.1200, 0.2134, 0.2661 looks on a white background.

Color Contrast Check

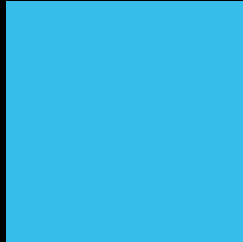
Large Text (above 18pt) WCAG AA × Fail

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 43.1200, 0.2134, 0.2661 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 43.1200, 0.2134, 0.2661

Background



This preview shows how black text looks on a background with the Yxy color 43.1200, 0.2134, 0.2661.



This preview shows how white text looks on a background with the Yxy color 43.1200, 0.2134, 0.2661.

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

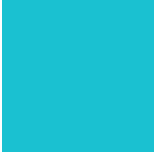
43.1200, 0.2134, 0.2661

Protanopia

42.4604, 0.2672, 0.2648

Deuteranopia

42.6467, 0.2524, 0.2463



Tritanopia

42.9630, 0.2200, 0.3048

Trichromacy



Original Color

43.1200, 0.2134, 0.2661



Protanomaly

41.5427, 0.2404, 0.2640



Deuteranomaly

41.8068, 0.2321, 0.2509



Tritanomaly

43.1363, 0.2173, 0.2908

Monochromacy



Original Color

43.1200, 0.2134, 0.2661



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

34.9079, 0.2601, 0.3043

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.1200, 0.2134, 0.2661 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(54, 189, 234)` looks like.

```
.text, #text, p{  
    color:rgb(54, 189, 234)  
}
```

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(54, 189, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 189, 234) }
```

Border

The CSS property to change the border of an element to Yxy 43.1200, 0.2134, 0.2661 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(54, 189, 234) }
```

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

```
.border{ border-color:rgb(54, 189, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 189, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 189, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 189, 234);  
box-shadow:4px 4px 4px 4px rgb(54, 189,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 43.1200, 0.2134, 0.2661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 189, 234) }
```

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

```
.background{ background-color: rgb(54, 189,  
234) }
```

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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