

Converting Colors

$Y_{xy}(46.3029, 0.2392, 0.2631)$

Have a look what the booklet for
Yxy(46.3029, 0.2392, 0.2631)
contains.

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Color

Yxy(46.3029, 0.2392, 0.2631)

Conversions

Conversions Part 1

Format	Color
Hex	80BBEE
RGB	128, 187, 238
RGB Percent	50%, 73%, 93%
CMY	0.4982, 0.2666, 0.0668
CMYK	0.46, 0.21, 0.00, 0.07
HSL	208°, 76%, 72%
HSV	208°, 46%, 93%
XYZ	42.0967, 46.3029, 87.5901
YIQ	175.1730, -51.5350, 3.3530

Conversions

Conversions Part 2

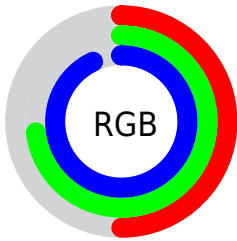
Format	Color
R _Y B	128, 166, 238
Decimal	8436718
CIE Lab	73.74, -5.69, -31.28
CIE LCh	74, 31.792, 259.695
Yxy	46.3029, 0.2392, 0.2631
Android (android.graphics.Color)	4286626798 (0xFF80BBEE)
YUV	175.1730, 30.9737, -41.3707
Hunter-Lab	68.0462, -8.6520, -28.6866

Details

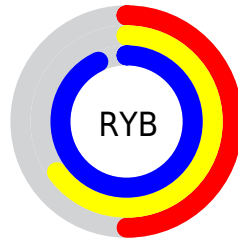
The Yxy color **46.3029, 0.2392, 0.2631** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **51.9379, 0.4101, 0.3856**, and the grayscale version is **42.8163, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6355, 0.2713, 0.3159**, and **21.7297, 0.2199, 0.2451** is the 20% darker color. If you saturate the color by 10%, you get **40.1718, 0.2243, 0.2456**, and if you desaturate by 10%, it is **53.2291, 0.2550, 0.2796**.

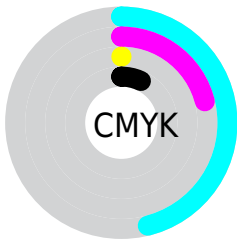
Distribution



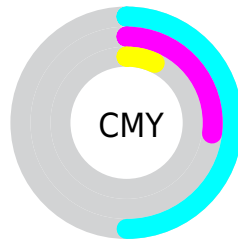
- Red (50%)
- Green (73%)
- Blue (93%)



- Red (50%)
- Yellow (65%)
- Blue (93%)



- Cyan (46%)
- Magenta (21%)
- Yellow (0%)
- Black (7%)





- Cyan (50%)
- Magenta (27%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.3029, 0.2392, 0.2631 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 46.3029, 0.2392, 0.2631 by changing the saturation by 10% instead.

 46.3029, 0.2392,
0.2631


 46.3029, 0.2392,
0.2631


372.0251, 0.2748,
0.2956


 32.4849, 0.2307,
0.2552


 84.6721, 0.2518,
0.2748

 21.7322, 0.2202,
0.2453


 109.9922, 0.2567,
0.2792

 13.6602, 0.2066,
0.2325


 139.9150, 0.2608,
0.2829

 7.8847, 0.1888,
0.2153

174.8250, 0.2644,
0.2862

 4.0213, 0.1644,
0.1915

215.1067, 0.2675,
0.2890

 1.6855, 0.1301,
0.1569

261.1443, 0.2702,

 0.4142, 0.0571,

0.2915

0.0928

313.3223, 0.2727,
0.2937

0.0000, 0.0000,
0.0000

46.3029, 0.2392,
0.2631

46.3029, 0.2392,
0.2631

40.1718, 0.2243,
0.2456

53.2291, 0.2550,
0.2796

34.7920, 0.2107,
0.2275

60.9808, 0.2711,
0.2950

30.1221, 0.1990,
0.2093

69.5925, 0.2873,
0.3091

26.1130, 0.1894,
0.1913

79.0953, 0.3031,
0.3218

22.7049, 0.1822,
0.1740

89.5181, 0.3184,
0.3331

■ 21.5442, 0.1799,
0.1677

■ 97.7798, 0.3228,
0.3437

■ 98.9518, 0.3226,
0.3454

Harmonies

Analogous

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



46.3029, 0.2310, 0.2864



46.3029, 0.2392, 0.2631



46.3029, 0.2657, 0.2576

Triad

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



46.3029, 0.2392, 0.2631



46.3029, 0.3876, 0.3261



46.3029, 0.3140, 0.4012

Complementary

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



46.3029, 0.2392, 0.2631



51.9379, 0.4101, 0.3856

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.



46.3029, 0.3573, 0.4090



46.3029, 0.2392, 0.2631



46.3029, 0.4018, 0.3619

Square

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



46.3029, 0.2392, 0.2631



46.3029, 0.3516, 0.2929



46.3029, 0.3900, 0.3928



46.3029, 0.2722, 0.3688

Rectangle

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



46.3029, 0.2392, 0.2631



46.3029, 0.2917, 0.2632



46.3029, 0.3900, 0.3928



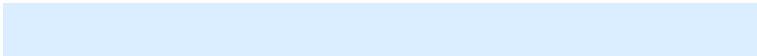
46.3029, 0.3289, 0.4068

Sweetspot

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



46.3046, 0.2392, 0.2631



83.7461, 0.2908, 0.3119



68.9151, 0.2807, 0.4078



17.4289, 0.2873, 0.3091



0.0000, 0.0000, 0.0000



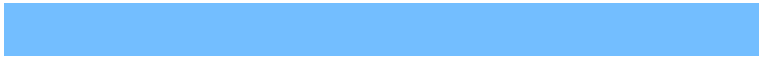
21.4041, 0.3127, 0.3290

Same Dimension

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



46.3046, 0.2392, 0.2631



47.6905, 0.2258, 0.2475



27.6576, 0.2262, 0.1909



16.6342, 0.2980, 0.3178



12.2838, 0.1807, 0.1703



1.2209, 0.1869, 0.1928

Inverse Universe

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



37.1884, 0.3694, 0.2645



37.1838, 0.3860, 0.2534



77.7130, 0.3835, 0.4374



15.9007, 0.3209, 0.3164



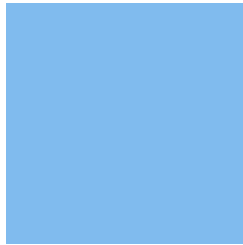
11.0334, 0.4803, 0.2419



0.9380, 0.4535, 0.2272

Previews

White Background



This preview shows how the Yxy color 46.3029, 0.2392, 0.2631 looks on a white background.

Color Contrast Check

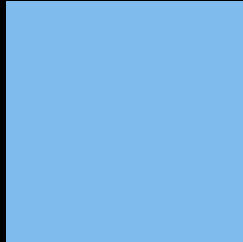
Large Text (above 18pt) WCAG AA × Fail

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 46.3029, 0.2392, 0.2631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

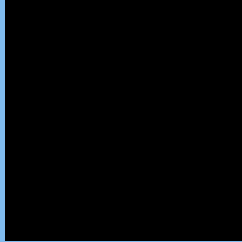
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.3029, 0.2392, 0.2631

Background



This preview shows how black text looks on a background with the Yxy color 46.3029, 0.2392, 0.2631.

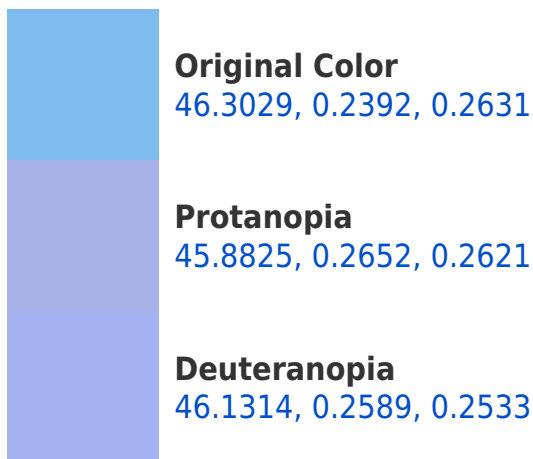


This preview shows how white text looks on a background with the Yxy color 46.3029, 0.2392, 0.2631.

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

46.1753, 0.2513, 0.3066

Trichromacy



Original Color

46.3029, 0.2392, 0.2631

Protanomaly

45.7606, 0.2549, 0.2621

Deuteranomaly

45.9551, 0.2515, 0.2565

Tritanomaly

46.0790, 0.2465, 0.2895

Monochromacy



Original Color

46.3029, 0.2392, 0.2631

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

43.5865, 0.2812, 0.3033

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3029, 0.2392, 0.2631 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(128, 187, 238)` looks like.

```
.text, #text, p{  
    color:rgb(128, 187, 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(128, 187, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 187, 238) }
```

Border

The CSS property to change the border of an element to Yxy 46.3029, 0.2392, 0.2631 is called "border". The border property can be set on classes, ids or directly on the HTML element.

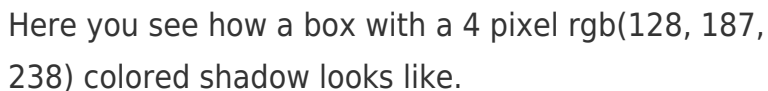
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(128, 187, 238) }
```

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

```
.border{ border-color:rgb(128, 187, 238) }
```

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



Here you see how a box with a 4 pixel rgb(128, 187, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 187, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 187, 238); box-shadow:4px 4px 4px 4px rgb(128, 187, 238) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3029, 0.2392, 0.2631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 187, 238) }
```

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

```
.background{ background-color: rgb(128,  
187, 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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