

Converting Colors

$Y_{xy}(42.3073, 0.2320, 0.2605)$

Have a look what the booklet for
Yxy(42.3073, 0.2320, 0.2605)
contains.

Yxy(42.2534, 0.2318, 0.2602)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(42.2534, 0.2318, 0.2602)

Conversions

Conversions Part 1

Format	Color
Hex	6FB5E8
RGB	111, 181, 232
RGB Percent	44%, 71%, 91%
CMY	0.5647, 0.2902, 0.0903
CMYK	0.52, 0.22, 0.00, 0.09
HSL	205°, 72%, 67%
HSV	205°, 52%, 91%
XYZ	37.6416, 42.2534, 82.4932
YIQ	165.8840, -58.0910, 1.0210

Conversions

Conversions Part 2

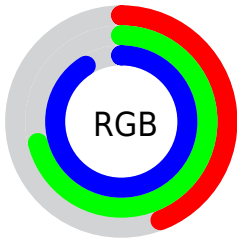
Format	Color
RYB	111, 155, 232
Decimal	7321064
CIELab	71.05, -8.01, -32.25
CIELCh	71, 33.229, 256.043
Yxy	42.2534, 0.2318, 0.2602
Android (android.graphics.Color)	4285511144 (0xFF6FB5E8)
YUV	165.8840, 32.5952, -48.1333
Hunter-Lab	65.0026, -10.3892, -29.7416

Details

The Yxy color **42.2534, 0.2318, 0.2602** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **44.1293, 0.4297, 0.3866**, and the grayscale version is **37.9361, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2234, 0.2621, 0.3088**, and **19.2259, 0.2104, 0.2405** is the 20% darker color. If you saturate the color by 10%, you get **37.1040, 0.2182, 0.2441**, and if you desaturate by 10%, it is **48.0754, 0.2466, 0.2756**.

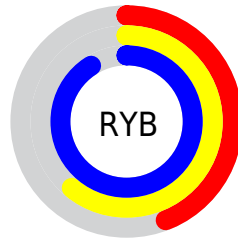
Distribution



Red (44%)

Green (71%)

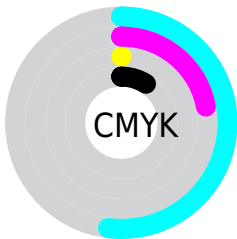
Blue (91%)



Red (44%)

Yellow (61%)

Blue (91%)

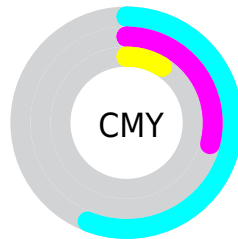


Cyan (52%)

Magenta (22%)

Yellow (0%)

Black (9%)



Cyan (56%)

Magenta (29%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.2534, 0.2318, 0.2602 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 42.2534, 0.2318, 0.2602 by changing the saturation by 10% instead.

■ 42.2534, 0.2318,
0.2602

■ 42.2534, 0.2318,
0.2602

■ 355.5323, 0.2714,
0.2948

■ 29.2998, 0.2223,
0.2517

■ 78.5830, 0.2459,
0.2727

■ 19.3077, 0.2104,
0.2409

■ 102.7277, 0.2513,
0.2774

■ 11.8928, 0.1951,
0.2268

■ 131.3716, 0.2559,
0.2814

■ 6.6707, 0.1749,
0.2077

■ 164.8991, 0.2599,
0.2849

■ 3.2571, 0.1474,
0.1810

■ 203.6945, 0.2633,
0.2878

■ 1.2674, 0.1091,
0.1421

■ 248.1422, 0.2664,

■ 0.1157, 0.0000,

0.2904

0.0350

298.6267, 0.2690,
0.2927

0.0000, 0.0000,
0.0000

42.2534, 0.2318,
0.2602

42.2534, 0.2318,
0.2602

37.1040, 0.2182,
0.2441

48.0754, 0.2466,
0.2756

32.5860, 0.2063,
0.2276

54.5984, 0.2621,
0.2901

28.6594, 0.1964,
0.2111


61.8545, 0.2780,
0.3035

25.2754, 0.1888,
0.1949

69.8719, 0.2939,
0.3158

22.9404, 0.1841,
0.1827

78.6774, 0.3094,
0.3268

 88.2959, 0.3245,
0.3366

 95.0959, 0.3268,
0.3460

 98.6045, 0.3262,
0.3513

Harmonies

Analogous

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



42.2534, 0.2256, 0.2871



42.2534, 0.2318, 0.2602



42.2534, 0.2578, 0.2523

Triad

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



42.2534, 0.2318, 0.2602



42.2534, 0.3898, 0.3210



42.2534, 0.3197, 0.4098

Complementary

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



42.2534, 0.2318, 0.2602



44.1293, 0.4297, 0.3866

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.



42.2534, 0.3656, 0.4143



42.2534, 0.2318, 0.2602



42.2534, 0.4084, 0.3593

Square

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



42.2534, 0.2318, 0.2602



42.2534, 0.3488, 0.2865



42.2534, 0.3988, 0.3938



42.2534, 0.2740, 0.3774

Rectangle

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



42.2534, 0.2318, 0.2602



42.2534, 0.2845, 0.2570



42.2534, 0.3988, 0.3938



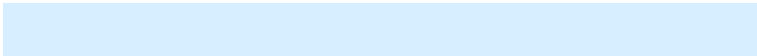
42.2534, 0.3356, 0.4146

Sweetspot

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



42.2550, 0.2318, 0.2602



82.5849, 0.2876, 0.3111



63.6644, 0.2800, 0.4258



17.2363, 0.2844, 0.3086



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.



42.2550, 0.2318, 0.2602



45.2928, 0.2167, 0.2421



22.9005, 0.2149, 0.1760



15.2655, 0.2981, 0.3189



12.9937, 0.1848, 0.1852



1.1431, 0.1912, 0.2082

Inverse Universe

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



31.8578, 0.3738, 0.2518



32.9292, 0.3936, 0.2388



70.4832, 0.3937, 0.4459



14.5072, 0.3202, 0.3155



10.5094, 0.4624, 0.2321



0.7951, 0.4361, 0.2176

Previews

White Background



This preview shows how the Yxy color 42.2534, 0.2318, 0.2602 looks on a white background.

Color Contrast Check

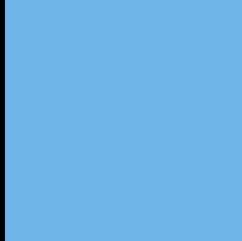
Large Text (above 18pt) WCAG AA × Fail

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 42.2534, 0.2318, 0.2602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

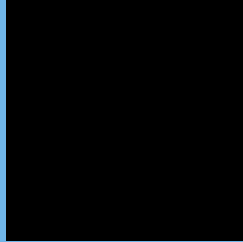
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

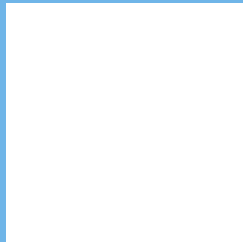
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.2534, 0.2318, 0.2602

Background



This preview shows how black text looks on a background with the Yxy color 42.2534, 0.2318, 0.2602.



This preview shows how white text looks on a background with the Yxy color 42.2534, 0.2318, 0.2602.

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

42.2534, 0.2318, 0.2602

Protanopia

41.9330, 0.2629, 0.2597

Deuteranopia

42.0349, 0.2545, 0.2492



Tritanopia

42.0914, 0.2429, 0.3054

Trichromacy



Original Color

42.2534, 0.2318, 0.2602

Protanomaly

42.0122, 0.2501, 0.2595

Deuteranomaly

42.0321, 0.2454, 0.2535

Tritanomaly

42.0281, 0.2386, 0.2876

Monochromacy



Original Color

42.2534, 0.2318, 0.2602

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.9545, 0.2768, 0.3019

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2534, 0.2318, 0.2602 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(111, 181, 232)` looks like.

```
.text, #text, p{  
    color:rgb(111, 181, 232)  
}
```

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(111, 181, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 181, 232) }
```

Border

The CSS property to change the border of an element to Yxy 42.2534, 0.2318, 0.2602 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(111, 181, 232) }
```

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

```
.border{ border-color:rgb(111, 181, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 181, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 181, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 181, 232);  
box-shadow:4px 4px 4px 4px rgb(111, 181,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2534, 0.2318, 0.2602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 181, 232) }
```

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

```
.background{ background-color: rgb(111,  
181, 232) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor