

Converting Colors

$Y_{xy}(43.1523, 0.2268, 0.2603)$

Have a look what the booklet for
Yxy(43.1523, 0.2268, 0.2603)
contains.

Yxy(43.0458, 0.2266, 0.2601)	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(43.0458, 0.2266, 0.2601)

Conversions

Conversions Part 1

Format	Color
Hex	65B8EB
RGB	101, 184, 235
RGB Percent	40%, 72%, 92%
CMY	0.6041, 0.2784, 0.0783
CMYK	0.57, 0.22, 0.00, 0.08
HSL	203°, 77%, 66%
HSV	203°, 57%, 92%
XYZ	37.5016, 43.0458, 84.9497
YIQ	164.9970, -65.8390, -1.7350

Conversions

Conversions Part 2

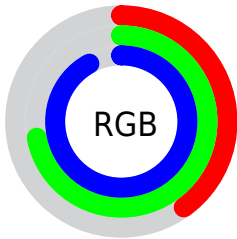
Format	Color
RYB	101, 152, 235
Decimal	6666475
CIELab	71.59, -10.80, -33.11
CIELCh	72, 34.825, 251.932
Yxy	43.0458, 0.2266, 0.2601
Android (android.graphics.Color)	4284856555 (0xFF65B8EB)
YUV	164.9970, 34.5115, -56.1254
Hunter-Lab	65.6093, -12.7874, -30.8411

Details

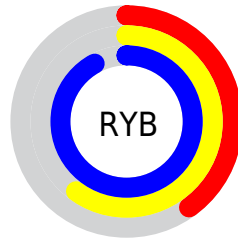
The Yxy color **43.0458, 0.2266, 0.2601** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **41.0553, 0.4488, 0.3851**, and the grayscale version is **37.4768, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1172, 0.2586, 0.3120**, and **19.7485, 0.2042, 0.2406** is the 20% darker color. If you saturate the color by 10%, you get **38.2804, 0.2144, 0.2454**, and if you desaturate by 10%, it is **48.4370, 0.2403, 0.2743**.

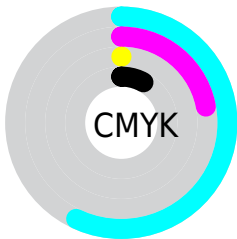
Distribution



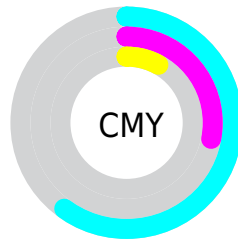
- Red (40%)
- Green (72%)
- Blue (92%)



- Red (40%)
- Yellow (60%)
- Blue (92%)



- Cyan (57%)
- Magenta (22%)
- Yellow (0%)
- Black (8%)



- Cyan (60%)
- Magenta (28%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.0458, 0.2266, 0.2601 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 43.0458, 0.2266, 0.2601 by changing the saturation by 10% instead.

43.0458, 0.2266,
0.2601

43.0458, 0.2266,
0.2601

358.8001, 0.2685,
0.2948

29.9211, 0.2167,
0.2516

79.7800, 0.2415,
0.2727

19.7787, 0.2043,
0.2407

104.1582, 0.2471,
0.2774

12.2343, 0.1885,
0.2266

133.0563, 0.2520,
0.2814

6.9034, 0.1677,
0.2075

166.8588, 0.2562,
0.2848

3.4018, 0.1398,
0.1809

205.9501, 0.2599,
0.2878

1.3449, 0.1016,
0.1423

250.7144, 0.2631,

0.1756, 0.0000,

0.2904

0.0481

301.5363, 0.2659,
0.2927

■ 0.0000, 0.0000,
0.0000

■ 43.0458, 0.2266,
0.2601

■ 43.0458, 0.2266,
0.2601

■ 38.2804, 0.2144,
0.2454

■ 48.4370, 0.2403,
0.2743

■ 34.0978, 0.2041,
0.2306

■ 54.4836, 0.2551,
0.2877

■ 30.4551, 0.1958,
0.2158

■ 61.2183, 0.2705,
0.3002

■ 27.2963, 0.1897,
0.2014

■ 68.6700, 0.2862,
0.3118

■ 26.4300, 0.1881,
0.1972

■ 76.8655, 0.3018,
0.3223

85.8301, 0.3172,
0.3317

93.5463, 0.3252,
0.3403

98.7798, 0.3244,
0.3483

Harmonies

Analogous

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



43.0458, 0.2231, 0.2906



43.0458, 0.2266, 0.2601



43.0458, 0.2508, 0.2493

Triad

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



43.0458, 0.2266, 0.2601



43.0458, 0.3883, 0.3152



43.0458, 0.3266, 0.4159

Complementary

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



43.0458, 0.2266, 0.2601



41.0553, 0.4488, 0.3851

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.



43.0458, 0.3734, 0.4162



43.0458, 0.2266, 0.2601



43.0458, 0.4115, 0.3547

Square

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



43.0458, 0.2266, 0.2601



43.0458, 0.3433, 0.2807



43.0458, 0.4052, 0.3918



43.0458, 0.2783, 0.3856

Rectangle

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



43.0458, 0.2266, 0.2601



43.0458, 0.2770, 0.2527



43.0458, 0.4052, 0.3918



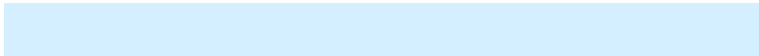
43.0458, 0.3431, 0.4194

Sweetspot

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



43.0474, 0.2266, 0.2601



82.6073, 0.2861, 0.3117



64.4026, 0.2815, 0.4467



17.2790, 0.2830, 0.3095



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.



43.0474, 0.2266, 0.2601



45.3958, 0.2130, 0.2436



21.9179, 0.2068, 0.1682



16.1030, 0.2981, 0.3198



14.9596, 0.1888, 0.1995



1.3594, 0.1943, 0.2194

Inverse Universe

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



30.4268, 0.3754, 0.2401



30.9090, 0.3938, 0.2279



68.3096, 0.4043, 0.4493



15.2109, 0.3196, 0.3145



11.0030, 0.4459, 0.2230



0.8826, 0.4239, 0.2109

Previews

White Background



This preview shows how the Yxy color 43.0458, 0.2266, 0.2601 looks on a white background.

Color Contrast Check

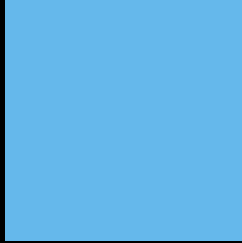
Large Text (above 18pt) WCAG AA × Fail

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 43.0458, 0.2266, 0.2601 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

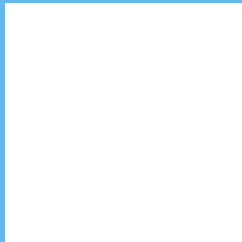
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.0458, 0.2266, 0.2601

Background



This preview shows how black text looks on a background with the Yxy color 43.0458, 0.2266, 0.2601.

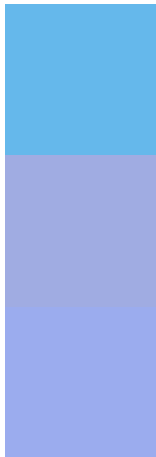


This preview shows how white text looks on a background with the Yxy color 43.0458, 0.2266, 0.2601.

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

43.0458, 0.2266, 0.2601

Protanopia

42.4696, 0.2631, 0.2600

Deuteranopia

42.6467, 0.2524, 0.2463



Tritanopia

42.9268, 0.2372, 0.3054

Trichromacy



Original Color

43.0458, 0.2266, 0.2601

Protanomaly

42.1968, 0.2479, 0.2594

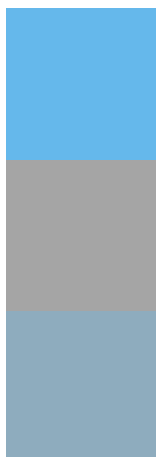
Deuteranomaly

42.3160, 0.2411, 0.2500

Tritanomaly

42.8257, 0.2329, 0.2876

Monochromacy



Original Color

43.0458, 0.2266, 0.2601

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.9735, 0.2738, 0.3032

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.0458, 0.2266, 0.2601 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(101, 184, 235)` looks like.

```
.text, #text, p{  
    color:rgb(101, 184, 235)  
}
```

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(101, 184, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 184, 235) }
```

Border

The CSS property to change the border of an element to Yxy 43.0458, 0.2266, 0.2601 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(101, 184, 235) }
```

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

```
.border{ border-color:rgb(101, 184, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 184, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 184, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 184, 235);  
box-shadow:4px 4px 4px 4px rgb(101, 184,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 43.0458, 0.2266, 0.2601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 184, 235) }
```

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

```
.background{ background-color: rgb(101,  
184, 235) }
```

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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