

Converting Colors

$Y_{xy}(41.1264, 0.2230, 0.2459)$

Have a look what the booklet for
Yxy(41.1264, 0.2230, 0.2459)
contains.

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Color

Yxy(41.0164, 0.2226, 0.2449)

Conversions

Conversions Part 1

Format	Color
Hex	66B2F1
RGB	102, 178, 241
RGB Percent	40%, 70%, 95%
CMY	0.5999, 0.3020, 0.0548
CMYK	0.58, 0.26, 0.00, 0.05
HSL	207°, 83%, 67%
HSV	207°, 58%, 95%
XYZ	37.2815, 41.0164, 89.1843
YIQ	162.4580, -65.5190, 3.4810

Conversions

Conversions Part 2

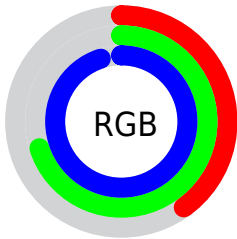
Format	Color
R _Y B	102, 151, 241
Decimal	6730481
CIE Lab	70.19, -5.49, -38.53
CIE LCh	70, 38.919, 261.889
Yxy	41.0164, 0.2226, 0.2449
Android (android.graphics.Color)	4284920561 (0xFF66B2F1)
YUV	162.4580, 38.7212, -53.0217
Hunter-Lab	64.0440, -8.1680, -37.7332

Details

The Yxy color **41.0164, 0.2226, 0.2449** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **46.5955, 0.4436, 0.3963**, and the grayscale version is **36.1998, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.7470, 0.2581, 0.3051**, and **18.7005, 0.1993, 0.2224** is the 20% darker color. If you saturate the color by 10%, you get **35.6306, 0.2094, 0.2272**, and if you desaturate by 10%, it is **47.1609, 0.2372, 0.2621**.

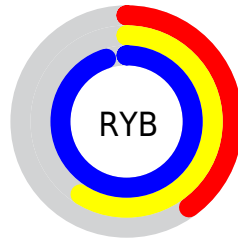
Distribution



Red (40%)

Green (70%)

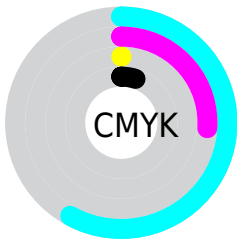
Blue (95%)



Red (40%)

Yellow (59%)

Blue (95%)

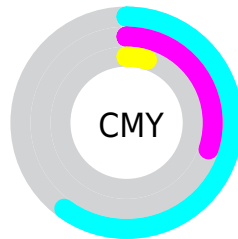


Cyan (58%)

Magenta (26%)

Yellow (0%)

Black (5%)



Cyan (60%)

Magenta (30%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.0164, 0.2226, 0.2449 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 41.0164, 0.2226, 0.2449 by changing the saturation by 10% instead.

■ 41.0164, 0.2226,
0.2449

■ 41.0164, 0.2226,
0.2449

■ 350.3892, 0.2666,
0.2867

■ 28.3319, 0.2122,
0.2348

■ 76.7088, 0.2382,
0.2599

■ 18.5760, 0.1991,
0.2221

■ 100.4855, 0.2442,
0.2656

■ 11.3643, 0.1825,
0.2057

■ 128.7283, 0.2493,
0.2704

■ 6.3124, 0.1609,
0.1841

■ 161.8218, 0.2537,
0.2746

■ 3.0360, 0.1321,
0.1548

■ 200.1502, 0.2576,
0.2782

■ 1.1505, 0.0935,
0.1143

■ 244.0979, 0.2610,

■ 0.0207, 0.0000,

0.2814

0.0052

294.0495, 0.2640,
0.2842

0.0000, 0.0000,
0.0000

41.0164, 0.2226,
0.2449

41.0164, 0.2226,
0.2449

35.6306, 0.2094,
0.2272

47.1609, 0.2372,
0.2621

30.9546, 0.1981,
0.2093

54.0997, 0.2528,
0.2784

26.9384, 0.1890,
0.1917


61.8707, 0.2689,
0.2936


23.5156, 0.1822,
0.1748


70.5079, 0.2850,
0.3076

22.7803, 0.1808,
0.1710

80.0428, 0.3009,
0.3202

 90.5053, 0.3163,
0.3315

 98.8132, 0.3209,
0.3420

 99.1319, 0.3208,
0.3424

Harmonies

Analogous

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



41.0164, 0.2109, 0.2712



41.0164, 0.2226, 0.2449



41.0164, 0.2565, 0.2405

Triad

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



41.0164, 0.2226, 0.2449



41.0164, 0.4109, 0.3273



41.0164, 0.3091, 0.4209

Complementary

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



41.0164, 0.2226, 0.2449



46.5955, 0.4436, 0.3963

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.



41.0164, 0.3642, 0.4318



41.0164, 0.2226, 0.2449



41.0164, 0.4261, 0.3715

Square

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



41.0164, 0.2226, 0.2449



41.0164, 0.3660, 0.2864



41.0164, 0.4078, 0.4106



41.0164, 0.2576, 0.3764

Rectangle

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



41.0164, 0.2226, 0.2449



41.0164, 0.2894, 0.2486



41.0164, 0.4078, 0.4106



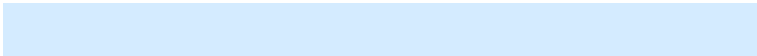
41.0164, 0.3278, 0.4287

Sweetspot

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



41.0179, 0.2226, 0.2449



80.7781, 0.2860, 0.3084



68.4494, 0.2758, 0.4320



16.8464, 0.2827, 0.3057



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.



41.0179, 0.2226, 0.2449



39.6277, 0.2075, 0.2244



20.1131, 0.2023, 0.1516



16.6606, 0.2980, 0.3180



12.6246, 0.1816, 0.1737



1.2489, 0.1877, 0.1958

Inverse Universe

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



31.4280, 0.3892, 0.2492



29.9627, 0.4128, 0.2388



78.5488, 0.3988, 0.4598



15.9034, 0.3208, 0.3162



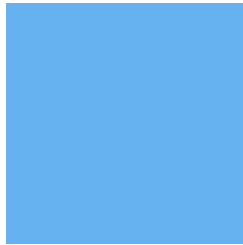
11.0678, 0.4762, 0.2397



0.9408, 0.4501, 0.2253

Previews

White Background



This preview shows how the Yxy color 41.0164, 0.2226, 0.2449 looks on a white background.

Color Contrast Check

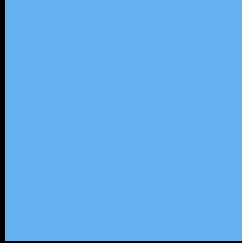
Large Text (above 18pt) WCAG AA × Fail

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 41.0164, 0.2226, 0.2449 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

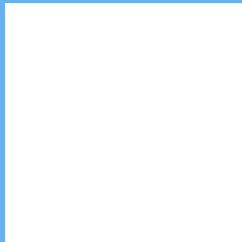
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.0164, 0.2226, 0.2449

Background



This preview shows how black text looks on a background with the Yxy color 41.0164, 0.2226, 0.2449.



This preview shows how white text looks on a background with the Yxy color 41.0164, 0.2226, 0.2449.

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

41.0164, 0.2226, 0.2449

Protanopia

40.6212, 0.2520, 0.2448

Deuteranopia

40.7763, 0.2419, 0.2356



Tritanopia

41.2662, 0.2365, 0.3064

Trichromacy



Original Color

41.0164, 0.2226, 0.2449

Protanomaly

40.6878, 0.2396, 0.2445

Deuteranomaly

40.5830, 0.2341, 0.2385

Tritanomaly

41.0490, 0.2307, 0.2815

Monochromacy



Original Color

41.0164, 0.2226, 0.2449

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

37.3423, 0.2710, 0.2958

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.0164, 0.2226, 0.2449 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(102, 178, 241)` looks like.

```
.text, #text, p{  
    color:rgb(102, 178, 241)  
}
```

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(102, 178, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 178, 241) }
```

Border

The CSS property to change the border of an element to Yxy 41.0164, 0.2226, 0.2449 is called "border". The border property can be set on classes, ids or directly on the HTML element.

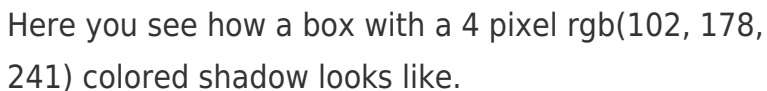
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(102, 178, 241) }
```

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

```
.border{ border-color:rgb(102, 178, 241) }
```

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



Here you see how a box with a 4 pixel `rgb(102, 178, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 178, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 178, 241);  
box-shadow:4px 4px 4px 4px rgb(102, 178,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 41.0164, 0.2226, 0.2449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 178, 241) }
```

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

```
.background{ background-color: rgb(102,  
178, 241) }
```

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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