

Converting Colors

$Yxy(40.8126, 0.2303, 0.2653)$

Have a look what the booklet for
Yxy(40.8126, 0.2303, 0.2653)
contains.

Yxy(40.9035, 0.2305, 0.2664)	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(40.9035, 0.2305, 0.2664)

Conversions

Conversions Part 1

Format	Color
Hex	66B4E1
RGB	102, 180, 225
RGB Percent	40%, 71%, 88%
CMY	0.5999, 0.2941, 0.1177
CMYK	0.55, 0.20, 0.00, 0.12
HSL	202°, 67%, 64%
HSV	202°, 55%, 88%
XYZ	35.3914, 40.9035, 77.2468
YIQ	161.8080, -60.9330, -2.5410

Conversions

Conversions Part 2

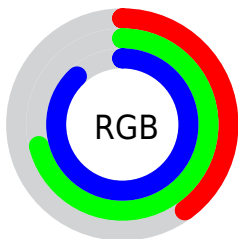
Format	Color
RYB	102, 150, 225
Decimal	6730977
CIELab	70.11, -11.44, -29.91
CIELCh	70, 32.028, 249.066
Yxy	40.9035, 0.2305, 0.2664
Android (android.graphics.Color)	4284921057 (0xFF66B4E1)
YUV	161.8080, 31.1537, -52.4516
Hunter-Lab	63.9558, -13.1459, -26.8422

Details

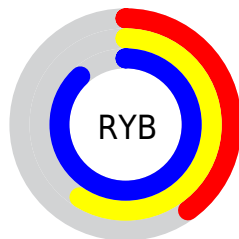
The Yxy color **40.9035, 0.2305, 0.2664** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **37.8354, 0.4420, 0.3811**, and the grayscale version is **35.9140, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.6845, 0.2574, 0.3074**, and **18.4561, 0.2082, 0.2467** is the 20% darker color. If you saturate the color by 10%, you get **36.5384, 0.2181, 0.2525**, and if you desaturate by 10%, it is **45.8256, 0.2443, 0.2798**.

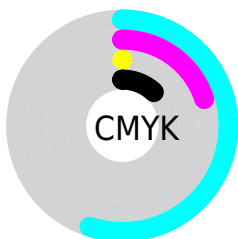
Distribution



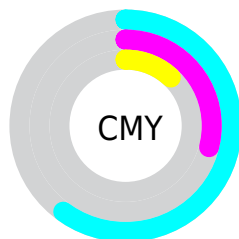
- Red (40%)
- Green (71%)
- Blue (88%)



- Red (40%)
- Yellow (59%)
- Blue (88%)



- Cyan (55%)
- Magenta (20%)
- Yellow (0%)
- Black (12%)





- Cyan (60%)
- Magenta (29%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.9035, 0.2305, 0.2664 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 40.9035, 0.2305, 0.2664 by changing the saturation by 10% instead.


 40.9035, 0.2305,
0.2664


 40.9035, 0.2305,
0.2664


349.9171, 0.2710,
0.2984


 28.2437, 0.2208,
0.2584


 76.5374, 0.2450,
0.2781

 18.5094, 0.2085,
0.2481


 100.2802, 0.2505,
0.2825

 11.3164, 0.1927,
0.2345


 128.4862, 0.2552,
0.2862

 6.2800, 0.1717,
0.2158

 161.5398, 0.2592,
0.2893

 3.0161, 0.1429,
0.1891

199.8252, 0.2627,
0.2920

 1.1401, 0.1025,
0.1490

243.7270, 0.2658,

 0.0120, 0.0000,

0.2944

0.0046

293.6295, 0.2685,
0.2965

0.0000, 0.0000,
0.0000

40.9035, 0.2305,
0.2664

40.9035, 0.2305,
0.2664

36.5384, 0.2181,
0.2525

45.8256, 0.2443,
0.2798

32.6928, 0.2075,
0.2383

51.3298, 0.2590,
0.2924

29.3304, 0.1990,
0.2241

57.4446, 0.2744,
0.3042

26.4056, 0.1925,
0.2102

64.1950, 0.2900,
0.3150

24.9817, 0.1897,
0.2029

71.6045, 0.3056,
0.3248

■ 79.6950, 0.3208,
0.3336

■ 87.6199, 0.3325,
0.3415

■ 92.5123, 0.3315,
0.3495

■ 97.6265, 0.3305,
0.3573

Harmonies

Analogous

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



40.9035, 0.2292, 0.2969



40.9035, 0.2305, 0.2664



40.9035, 0.2516, 0.2542

Triad

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



40.9035, 0.2305, 0.2664



40.9035, 0.3801, 0.3129



40.9035, 0.3305, 0.4112

Complementary

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



40.9035, 0.2305, 0.2664



37.8354, 0.4420, 0.3811

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.



40.9035, 0.3734, 0.4093



40.9035, 0.2305, 0.2664



40.9035, 0.4041, 0.3500

Square

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



40.9035, 0.2305, 0.2664



40.9035, 0.3369, 0.2809



40.9035, 0.4011, 0.3853



40.9035, 0.2847, 0.3854

Rectangle

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



40.9035, 0.2305, 0.2664



40.9035, 0.2754, 0.2562



40.9035, 0.4011, 0.3853



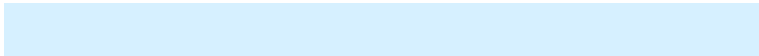
40.9035, 0.3457, 0.4136

Sweetspot

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



40.9050, 0.2305, 0.2664



83.9100, 0.2877, 0.3135



58.7114, 0.2834, 0.4434



17.5528, 0.2845, 0.3113



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.



40.9050, 0.2305, 0.2664



47.5621, 0.2161, 0.2499



21.8102, 0.2123, 0.1792



14.6851, 0.2981, 0.3202



14.6287, 0.1903, 0.2050



1.1828, 0.1962, 0.2262

Inverse Universe

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



28.8093, 0.3692, 0.2416



31.8974, 0.3873, 0.2275



61.3651, 0.4018, 0.4431



13.8461, 0.3193, 0.3142



10.3848, 0.4397, 0.2196



0.7369, 0.4166, 0.2069

Previews

White Background



This preview shows how the Yxy color 40.9035, 0.2305, 0.2664 looks on a white background.

Color Contrast Check

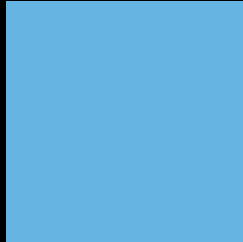
Large Text (above 18pt) WCAG AA × Fail

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 40.9035, 0.2305, 0.2664 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

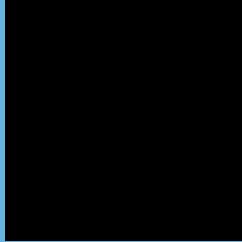
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

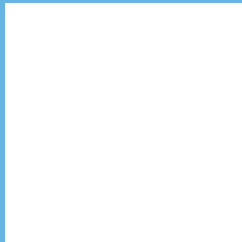
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.9035, 0.2305, 0.2664

Background



This preview shows how black text looks on a background with the Yxy color 40.9035, 0.2305, 0.2664.

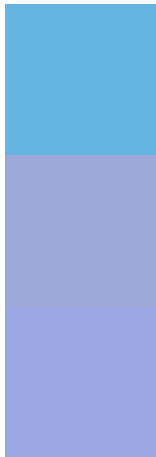


This preview shows how white text looks on a background with the Yxy color 40.9035, 0.2305, 0.2664.

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

40.9035, 0.2305, 0.2664

Protanopia

40.6548, 0.2671, 0.2660

Deuteranopia

40.5753, 0.2577, 0.2518



Tritanopia

41.0968, 0.2403, 0.3080

Trichromacy



Original Color

40.9035, 0.2305, 0.2664

Protanomaly

40.4577, 0.2518, 0.2656

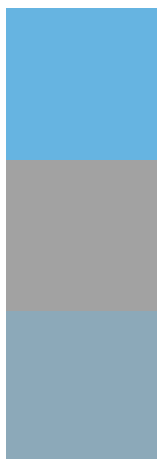
Deuteranomaly

40.2853, 0.2462, 0.2558

Tritanomaly

40.9078, 0.2369, 0.2925

Monochromacy



Original Color

40.9035, 0.2305, 0.2664

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

37.4542, 0.2755, 0.3056

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9035, 0.2305, 0.2664 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, 180, 225)` looks like.

```
.text, #text, p{  
    color:rgb(102, 180, 225)  
}
```

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, 180, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 180, 225) }
```

Border

The CSS property to change the border of an element to Yxy 40.9035, 0.2305, 0.2664 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, 180, 225) }
```

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

```
.border{ border-color:rgb(102, 180, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 180, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 180, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 180, 225);  
box-shadow:4px 4px 4px 4px rgb(102, 180,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9035, 0.2305, 0.2664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 180, 225) }
```

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

```
.background{ background-color: rgb(102,  
180, 225) }
```

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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