

Converting Colors

$Y_{xy}(44.1730, 0.2334, 0.2792)$

Have a look what the booklet for
Yxy(44.1730, 0.2334, 0.2792)
contains.

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Color

Yxy(44.1730, 0.2334, 0.2792)

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 66BCE0 |
| RGB | 102, 188, 224 |
| RGB Percent | 40%, 74%, 88% |
| CMY | 0.5996, 0.2628, 0.1215 |
| CMYK | 0.54, 0.16, 0.00, 0.12 |
| HSL | 198°, 66%, 64% |
| HSV | 198°, 54%, 88% |
| XYZ | 36.9269, 44.1730, 77.1129 |
| YIQ | 166.3900, -62.8120, -7.0360 |

Conversions

Conversions Part 2

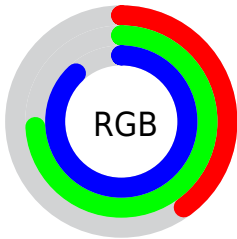
| Format | Color |
|-------------------------------------|---|
| RYB | 102, 152, 224 |
| Decimal | 6733024 |
| CIELab | 72.34, -15.95, -25.96 |
| CIELCh | 72, 30.465, 238.427 |
| Yxy | 44.1730, 0.2334, 0.2792 |
| Android (android.graphics.Color) | 4284923104 (0xFF66BCE0) |
| YUV | 166.3900, 28.4017, -56.4700 |
| Hunter-Lab | 66.4628, -17.1349, -22.2668 |

Details

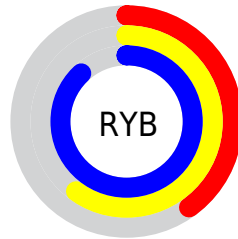
The Yxy color **44.1730, 0.2334, 0.2792** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **35.0253, 0.4476, 0.3710**, and the grayscale version is **38.2264, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4984, 0.2592, 0.3166**, and **20.5498, 0.2126, 0.2645** is the 20% darker color. If you saturate the color by 10%, you get **40.2726, 0.2220, 0.2682**, and if you desaturate by 10%, it is **48.5601, 0.2463, 0.2898**.

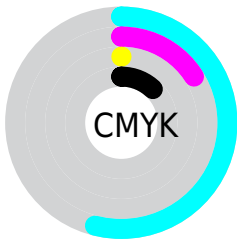
Distribution



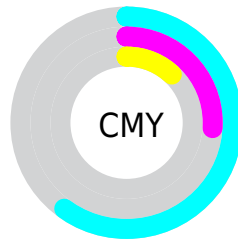
- Red (40%)
- Green (74%)
- Blue (88%)



- Red (40%)
- Yellow (60%)
- Blue (88%)



- Cyan (54%)
- Magenta (16%)
- Yellow (0%)
- Black (12%)



- Cyan (60%)
- Magenta (26%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.1730, 0.2334, 0.2792 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 44.1730, 0.2334, 0.2792 by changing the saturation by 10% instead.

■ 44.1730, 0.2334,
0.2792

■ 44.1730, 0.2334,
0.2792

■ 363.4138, 0.2720,
0.3048

■ 30.8065, 0.2242,
0.2727

■ 81.4780, 0.2471,
0.2886

■ 20.4516, 0.2126,
0.2644

■ 106.1853, 0.2524,
0.2921

■ 12.7237, 0.1977,
0.2532

■ 135.4417, 0.2569,
0.2950

■ 7.2386, 0.1780,
0.2379

■ 169.6316, 0.2607,
0.2976

■ 3.6117, 0.1510,
0.2154

■ 209.1394, 0.2641,
0.2997

■ 1.4588, 0.1129,
0.1807

■ 254.3494, 0.2671,

■ 0.2595, 0.0000,

0.3016

0.0908

305.6461, 0.2697,
0.3033

0.0000, 0.0000,
0.0000

44.1730, 0.2334,
0.2792

44.1730, 0.2334,
0.2792

40.2726, 0.2220,
0.2682

48.5601, 0.2463,
0.2898

36.8231, 0.2124,
0.2570

53.4567, 0.2603,
0.2999

33.7905, 0.2048,
0.2457


58.8895, 0.2752,
0.3092

31.1319, 0.1993,
0.2346

64.8817, 0.2905,
0.3179


29.7736, 0.1968,
0.2284

71.4551, 0.3059,
0.3258

 78.6300, 0.3212,
0.3329

 85.6763, 0.3335,
0.3393

 89.5237, 0.3327,
0.3457

 93.5135, 0.3318,
0.3521

Harmonies

Analogous

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



44.1730, 0.2391, 0.3131



44.1730, 0.2334, 0.2792



44.1730, 0.2468, 0.2614

Triad

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



44.1730, 0.2334, 0.2792



44.1730, 0.3623, 0.3027



44.1730, 0.3445, 0.4073

Complementary

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



44.1730, 0.2334, 0.2792



35.0253, 0.4476, 0.3710

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.



44.1730, 0.3805, 0.3977



44.1730, 0.2334, 0.2792



44.1730, 0.3922, 0.3365

Square

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



44.1730, 0.2334, 0.2792



44.1730, 0.3194, 0.2758



44.1730, 0.3986, 0.3708



44.1730, 0.3015, 0.3921

Rectangle

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



44.1730, 0.2334, 0.2792



44.1730, 0.2655, 0.2592



44.1730, 0.3986, 0.3708



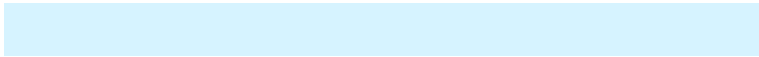
44.1730, 0.3579, 0.4066

Sweetspot

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



44.1746, 0.2334, 0.2792



85.6131, 0.2879, 0.3165



57.9474, 0.2877, 0.4549



17.9603, 0.2847, 0.3147



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.



44.1746, 0.2334, 0.2792



53.5071, 0.2209, 0.2670



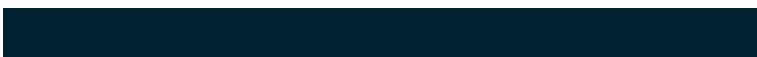
23.7862, 0.2152, 0.1915



14.8525, 0.2982, 0.3219



17.5361, 0.1973, 0.2301



1.3687, 0.2020, 0.2472

Inverse Universe

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



29.0026, 0.3584, 0.2331



32.9035, 0.3715, 0.2184



57.0179, 0.4063, 0.4350



13.8630, 0.3183, 0.3126



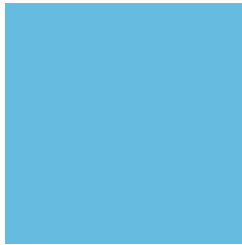
10.6783, 0.4125, 0.2046



0.7556, 0.3951, 0.1950

Previews

White Background



This preview shows how the Yxy color 44.1730, 0.2334, 0.2792 looks on a white background.

Color Contrast Check

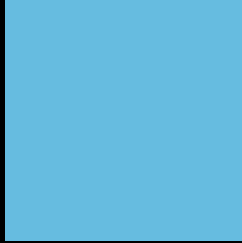
Large Text (above 18pt) WCAG AA × Fail

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 44.1730, 0.2334, 0.2792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

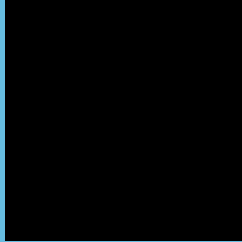
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.1730, 0.2334, 0.2792

Background



This preview shows how black text looks on a background with the Yxy color 44.1730, 0.2334, 0.2792.



This preview shows how white text looks on a background with the Yxy color 44.1730, 0.2334, 0.2792.

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

44.1730, 0.2334, 0.2792

Protanopia

43.7817, 0.2759, 0.2775

Deuteranopia

43.6487, 0.2677, 0.2612



Tritanopia

44.2046, 0.2404, 0.3072

Trichromacy



Original Color

44.1730, 0.2334, 0.2792

Protanomaly

43.5441, 0.2576, 0.2783

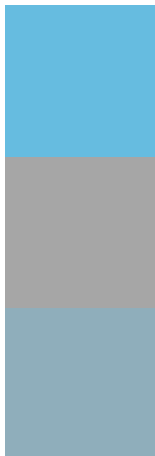
Deuteranomaly

43.1714, 0.2525, 0.2660

Tritanomaly

44.2277, 0.2375, 0.2962

Monochromacy



Original Color

44.1730, 0.2334, 0.2792

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

39.6996, 0.2769, 0.3103

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.1730, 0.2334, 0.2792 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, 188, 224)` looks like.

```
.text, #text, p{  
    color:rgb(102, 188, 224)  
}
```

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, 188, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 188, 224) }
```

Border

The CSS property to change the border of an element to Yxy 44.1730, 0.2334, 0.2792 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, 188, 224) }
```

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

```
.border{ border-color:rgb(102, 188, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 188, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 188, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 188, 224);  
box-shadow:4px 4px 4px 4px rgb(102, 188,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 44.1730, 0.2334, 0.2792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 188, 224) }
```

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

```
.background{ background-color: rgb(102,  
188, 224) }
```

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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