

Converting Colors

$Y_{xy}(44.1031, 0.2344, 0.2661)$

Have a look what the booklet for
Yxy(44.1031, 0.2344, 0.2661)
contains.

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Color

Yxy(44.1015, 0.2344, 0.2661)

Conversions

Conversions Part 1

Format	Color
Hex	72B9E8
RGB	114, 185, 232
RGB Percent	45%, 73%, 91%
CMY	0.5530, 0.2745, 0.0903
CMYK	0.51, 0.20, 0.00, 0.09
HSL	204°, 72%, 68%
HSV	204°, 51%, 91%
XYZ	38.8478, 44.1015, 82.7835
YIQ	169.1290, -57.4030, -0.4350

Conversions

Conversions Part 2

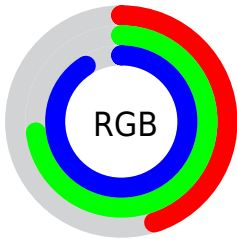
Format	Color
RYB	114, 158, 232
Decimal	7518696
CIELab	72.30, -9.53, -30.30
CIELCh	72, 31.767, 252.550
Yxy	44.1015, 0.2344, 0.2661
Android (android.graphics.Color)	4285708776 (0xFF72B9E8)
YUV	169.1290, 30.9954, -48.3481
Hunter-Lab	66.4090, -11.7971, -27.4230

Details

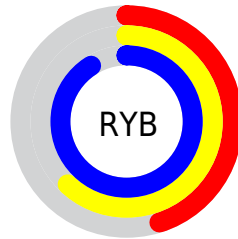
The Yxy color **44.1015, 0.2344, 0.2661** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **43.8330, 0.4277, 0.3823**, and the grayscale version is **39.6067, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9012, 0.2642, 0.3134**, and **20.3940, 0.2140, 0.2486** is the 20% darker color. If you saturate the color by 10%, you get **39.0018, 0.2210, 0.2510**, and if you desaturate by 10%, it is **49.8497, 0.2490, 0.2805**.

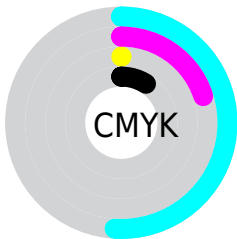
Distribution



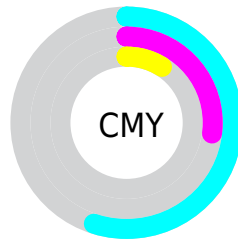
- Red (45%)
- Green (73%)
- Blue (91%)



- Red (45%)
- Yellow (62%)
- Blue (91%)



- Cyan (51%)
- Magenta (20%)
- Yellow (0%)
- Black (9%)



- Cyan (55%)
- Magenta (27%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.1015, 0.2344, 0.2661 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 44.1015, 0.2344, 0.2661 by changing the saturation by 10% instead.

■ 44.1015, 0.2344,
0.2661

■ 44.1015, 0.2344,
0.2661

■ 363.1223, 0.2726,
0.2977

■ 30.7503, 0.2253,
0.2583

■ 81.3705, 0.2480,
0.2775

■ 20.4088, 0.2139,
0.2484

■ 106.0570, 0.2531,
0.2818

■ 12.6925, 0.1993,
0.2355

■ 135.2908, 0.2576,
0.2855

■ 7.2172, 0.1800,
0.2179

■ 169.4563, 0.2614,
0.2886

■ 3.5983, 0.1536,
0.1932

■ 208.9377, 0.2647,
0.2913

■ 1.4515, 0.1167,
0.1566

■ 254.1196, 0.2676,

■ 0.2542, 0.0026,

0.2937

0.0730

305.3864, 0.2702,
0.2958

0.0000, 0.0000,
0.0000

44.1015, 0.2344,
0.2661

44.1015, 0.2344,
0.2661

39.0018, 0.2210,
0.2510

49.8497, 0.2490,
0.2805

34.5104, 0.2092,
0.2355

56.2732, 0.2644,
0.2940

30.5893, 0.1994,
0.2199

63.4031, 0.2801,
0.3065


27.1919, 0.1917,
0.2046

71.2665, 0.2959,
0.3179

24.4778, 0.1864,
0.1910

79.8891, 0.3114,
0.3282

 89.2950, 0.3264,
0.3373

 95.2286, 0.3267,
0.3462

 98.6043, 0.3262,
0.3513

Harmonies

Analogous

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



44.1015, 0.2308, 0.2938



44.1015, 0.2344, 0.2661



44.1015, 0.2571, 0.2563

Triad

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



44.1015, 0.2344, 0.2661



44.1015, 0.3817, 0.3175



44.1015, 0.3248, 0.4068

Complementary

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



44.1015, 0.2344, 0.2661



43.8330, 0.4277, 0.3823

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.



44.1015, 0.3673, 0.4082



44.1015, 0.2344, 0.2661



44.1015, 0.4022, 0.3538

Square

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



44.1015, 0.2344, 0.2661



44.1015, 0.3415, 0.2855



44.1015, 0.3963, 0.3871



44.1015, 0.2809, 0.3791

Rectangle

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



44.1015, 0.2344, 0.2661



44.1015, 0.2813, 0.2594



44.1015, 0.3963, 0.3871



44.1015, 0.3397, 0.4103

Sweetspot

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



44.1031, 0.2344, 0.2661



84.1225, 0.2893, 0.3132



63.7814, 0.2826, 0.4285



17.5648, 0.2859, 0.3108



0.0000, 0.0000, 0.0000



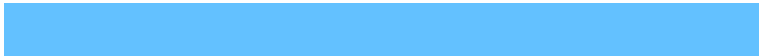
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



44.1031, 0.2344, 0.2661



48.0794, 0.2204, 0.2503



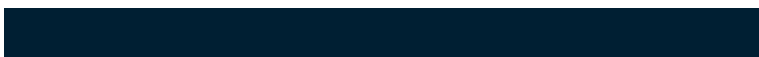
24.7730, 0.2186, 0.1855



15.3233, 0.2981, 0.3194



13.8460, 0.1871, 0.1934



1.2035, 0.1931, 0.2153

Inverse Universe

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



32.6842, 0.3684, 0.2506



34.1236, 0.3854, 0.2375



68.6125, 0.3939, 0.4399



14.5130, 0.3199, 0.3149



10.5955, 0.4528, 0.2268



0.8012, 0.4283, 0.2133

Previews

White Background



This preview shows how the Yxy color 44.1015, 0.2344, 0.2661 looks on a white background.

Color Contrast Check

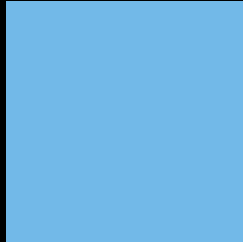
Large Text (above 18pt) WCAG AA × Fail

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 44.1015, 0.2344, 0.2661 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

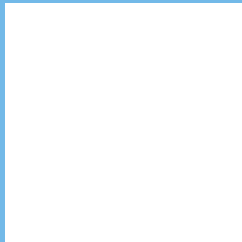
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.1015, 0.2344, 0.2661

Background



This preview shows how black text looks on a background with the Yxy color 44.1015, 0.2344, 0.2661.



This preview shows how white text looks on a background with the Yxy color 44.1015, 0.2344, 0.2661.

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

44.1015, 0.2344, 0.2661

Protanopia

43.9343, 0.2677, 0.2667

Deuteranopia

43.8940, 0.2599, 0.2541



Tritanopia

44.2379, 0.2450, 0.3073

Trichromacy



Original Color

44.1015, 0.2344, 0.2661

Protanomaly

43.8972, 0.2541, 0.2666

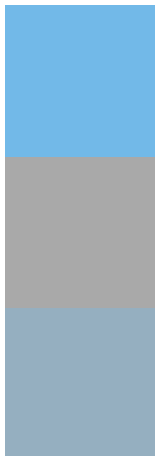
Deuteranomaly

43.7437, 0.2498, 0.2583

Tritanomaly

44.0609, 0.2407, 0.2911

Monochromacy



Original Color

44.1015, 0.2344, 0.2661

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

40.8553, 0.2781, 0.3051

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.1015, 0.2344, 0.2661 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(114, 185, 232)` looks like.

```
.text, #text, p{  
    color:rgb(114, 185, 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(114, 185, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 185, 232) }
```

Border

The CSS property to change the border of an element to Yxy 44.1015, 0.2344, 0.2661 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(114, 185, 232) }
```

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

```
.border{ border-color:rgb(114, 185, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 185, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(114, 185, 232); -webkit-box-shadow:4px 4px 4px 4px rgb(114, 185, 232); box-shadow:4px 4px 4px 4px rgb(114, 185, 232) }
```


Background

The CSS property to change the background color of an element to Yxy 44.1015, 0.2344, 0.2661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 185, 232) }
```

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

```
.background{ background-color: rgb(114,  
185, 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](#).

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