

Converting Colors

Yxy(53.5641, 0.2525, 0.3025)

Have a look what the booklet for
Yxy(53.5641, 0.2525, 0.3025)
contains.

Yxy(53.4731, 0.2524, 0.3029)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(53.4731, 0.2524, 0.3029)

Conversions

Conversions Part 1

Format	Color
Hex	84CCE0
RGB	132, 204, 224
RGB Percent	52%, 80%, 88%
CMY	0.4826, 0.2000, 0.1215
CMYK	0.41, 0.09, 0.00, 0.12
HSL	193°, 60%, 70%
HSV	193°, 41%, 88%
XYZ	44.5580, 53.4731, 78.5061
YIQ	184.7520, -49.3320, -9.0440

Conversions

Conversions Part 2

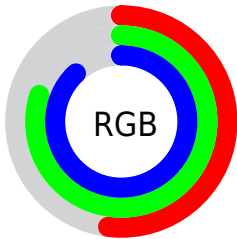
Format	Color
R _Y B	132, 172, 224
Decimal	8703200
CIE Lab	78.15, -17.42, -17.01
CIE LCh	78, 24.342, 224.318
Yxy	53.4731, 0.2524, 0.3029
Android (android.graphics.Color)	4286893280 (0xFF84CCE0)
YUV	184.7520, 19.3493, -46.2635
Hunter-Lab	73.1253, -19.2026, -12.4650

Details

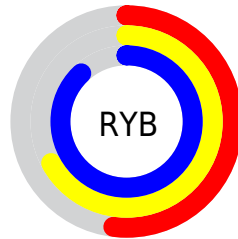
The Yxy color **53.4731, 0.2524, 0.3029** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.9549, 0.4076, 0.3530**, and the grayscale version is **48.2767, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5588, 0.2747, 0.3289**, and **26.2138, 0.2372, 0.2954** is the 20% darker color. If you saturate the color by 10%, you get **49.5818, 0.2400, 0.2954**, and if you desaturate by 10%, it is **57.8286, 0.2660, 0.3100**.

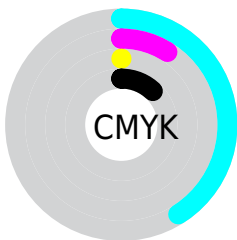
Distribution



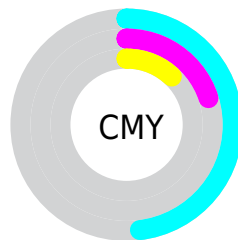
- Red (52%)
- Green (80%)
- Blue (88%)



- Red (52%)
- Yellow (67%)
- Blue (88%)



- Cyan (41%)
- Magenta (9%)
- Yellow (0%)
- Black (12%)



- Cyan (48%)
- Magenta (20%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 53.4731, 0.2524, 0.3029 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 53.4731, 0.2524, 0.3029 by changing the saturation by 10% instead.

■ 53.4731, 0.2524,
0.3029

■ 53.4731, 0.2524,
0.3029

■ 400.0976, 0.2812,
0.3162

■ 38.1806, 0.2456,
0.2995

■ 95.3002, 0.2625,
0.3078

■ 26.1229, 0.2372,
0.2952

■ 122.6035, 0.2664,
0.3096

■ 16.9156, 0.2264,
0.2895

■ 154.6792, 0.2698,
0.3111

■ 10.1743, 0.2121,
0.2815

■ 191.9117, 0.2727,
0.3124

■ 5.5147, 0.1923,
0.2698

■ 234.6854, 0.2752,
0.3136

■ 2.5523, 0.1636,
0.2511

■ 283.3847, 0.2774,

■ 0.9027, 0.1060,

0.3146

0.2212

338.3940, 0.2794,
0.3154

0.0000, 0.0000,
0.0000

53.4731, 0.2524,
0.3029

53.4731, 0.2524,
0.3029

49.5818, 0.2400,
0.2954

57.8286, 0.2660,
0.3100

46.1226, 0.2292,
0.2876

62.6655, 0.2805,
0.3167

43.0691, 0.2201,
0.2796

68.0075, 0.2956,
0.3228


40.3885, 0.2130,
0.2716


73.8750, 0.3110,
0.3284

38.0418, 0.2078,
0.2636

80.2870, 0.3264,
0.3335

 36.1762, 0.2046,
0.2565

 85.0439, 0.3336,
0.3382

 87.8415, 0.3330,
0.3430

 90.7157, 0.3324,
0.3477

 93.6672, 0.3318,
0.3523

Harmonies

Analogous

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



53.4731, 0.2640, 0.3324



53.4731, 0.2524, 0.3029



53.4731, 0.2559, 0.2827

Triad

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



53.4731, 0.2524, 0.3029



53.4731, 0.3356, 0.2984



53.4731, 0.3511, 0.3863

Complementary

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



53.4731, 0.2524, 0.3029



39.9549, 0.4076, 0.3530

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.



53.4731, 0.3723, 0.3732



53.4731, 0.2524, 0.3029



53.4731, 0.3634, 0.3228

Square

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



53.4731, 0.2524, 0.3029



53.4731, 0.3025, 0.2814



53.4731, 0.3771, 0.3497



53.4731, 0.3202, 0.3831

Rectangle

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



53.4731, 0.2524, 0.3029



53.4731, 0.2663, 0.2764



53.4731, 0.3771, 0.3497



53.4731, 0.3596, 0.3835

Sweetspot

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



53.4752, 0.2524, 0.3029



90.4822, 0.2941, 0.3222



60.4857, 0.2957, 0.4276



19.1586, 0.2921, 0.3215



0.0000, 0.0000, 0.0000



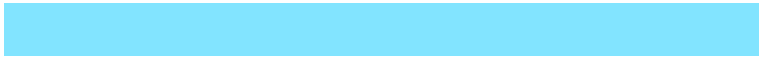
21.4041, 0.3127, 0.3290

Same Dimension

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



53.4752, 0.2524, 0.3029



67.3742, 0.2421, 0.2967



34.7482, 0.2422, 0.2391



15.0404, 0.2982, 0.3238



21.2289, 0.2049, 0.2577



1.5984, 0.2083, 0.2700

Inverse Universe

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



36.6977, 0.3367, 0.2477



42.8317, 0.3430, 0.2324



57.8711, 0.3851, 0.4046



13.8820, 0.3171, 0.3108



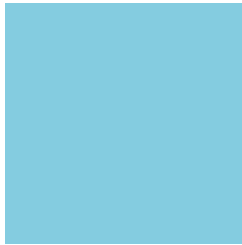
11.0511, 0.3846, 0.1892



0.7788, 0.3728, 0.1828

Previews

White Background



This preview shows how the Yxy color 53.4731, 0.2524, 0.3029 looks on a white background.

Color Contrast Check

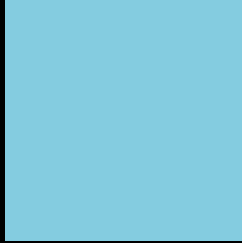
Large Text (above 18pt) WCAG AA × Fail

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 53.4731, 0.2524, 0.3029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

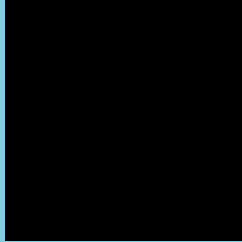
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.4731, 0.2524, 0.3029

Background



This preview shows how black text looks on a background with the Yxy color 53.4731, 0.2524, 0.3029.



This preview shows how white text looks on a background with the Yxy color 53.4731, 0.2524, 0.3029.

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

53.4731, 0.2524, 0.3029

Protanopia

53.0383, 0.2930, 0.2988

Deuteranopia

52.9818, 0.2891, 0.2831



Tritanopia

53.7084, 0.2537, 0.3080

Trichromacy



Original Color

53.4731, 0.2524, 0.3029

Protanomaly

52.9192, 0.2762, 0.3002

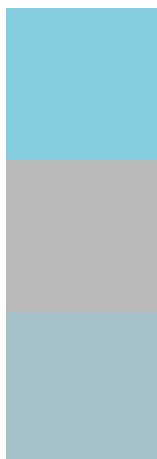
Deuteranomaly

52.7325, 0.2736, 0.2897

Tritanomaly

53.7619, 0.2532, 0.3067

Monochromacy



Original Color

53.4731, 0.2524, 0.3029

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

49.9298, 0.2875, 0.3198

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.4731, 0.2524, 0.3029 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(132, 204, 224)` looks like.

```
.text, #text, p{  
    color:rgb(132, 204, 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(132, 204, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 204, 224) }
```

Border

The CSS property to change the border of an element to Yxy 53.4731, 0.2524, 0.3029 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(132, 204, 224) }
```

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

```
.border{ border-color:rgb(132, 204, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 204, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 204, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 204, 224);  
box-shadow:4px 4px 4px 4px rgb(132, 204,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 53.4731, 0.2524, 0.3029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 204, 224) }
```

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

```
.background{ background-color: rgb(132,  
204, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor