

Converting Colors

$Yxy(51.3993, 0.2404, 0.2995)$

Have a look what the booklet for
Yxy(51.3993, 0.2404, 0.2995)
contains.

Yxy(51.3993, 0.2404, 0.2995)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(51.3993, 0.2404, 0.2995)

Conversions

Conversions Part 1

Format	Color
Hex	6DCBE1
RGB	109, 203, 225
RGB Percent	43%, 80%, 88%
CMY	0.5722, 0.2039, 0.1178
CMYK	0.52, 0.10, 0.00, 0.12
HSL	191°, 66%, 66%
HSV	191°, 52%, 88%
XYZ	41.2567, 51.3993, 78.9610
YIQ	177.4020, -63.0860, -13.0860

Conversions

Conversions Part 2

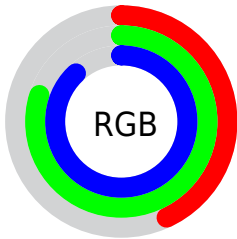
Format	Color
RYB	109, 161, 225
Decimal	7195617
CIELab	76.92, -21.94, -19.48
CIElCh	77, 29.339, 221.599
Yxy	51.3993, 0.2404, 0.2995
Android (android.graphics.Color)	4285385697 (0xFF6DCBE1)
YUV	177.4020, 23.4658, -59.9886
Hunter-Lab	71.6933, -22.7434, -15.1150

Details

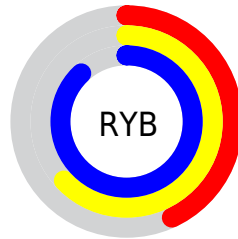
The Yxy color **51.3993, 0.2404, 0.2995** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.3562, 0.4460, 0.3548**, and the grayscale version is **44.0975, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0648, 0.2642, 0.3289**, and **24.9551, 0.2222, 0.2906** is the 20% darker color. If you saturate the color by 10%, you get **48.1639, 0.2300, 0.2928**, and if you desaturate by 10%, it is **55.0592, 0.2524, 0.3060**.

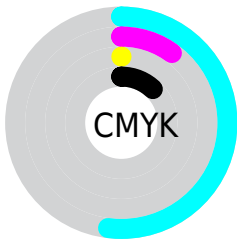
Distribution



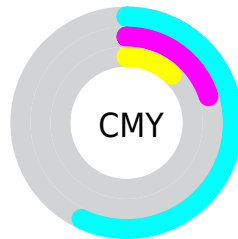
- Red (43%)
- Green (80%)
- Blue (88%)



- Red (43%)
- Yellow (63%)
- Blue (88%)



- Cyan (52%)
- Magenta (10%)
- Yellow (0%)
- Black (12%)



- Cyan (57%)
- Magenta (20%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.3993, 0.2404, 0.2995 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 51.3993, 0.2404, 0.2995 by changing the saturation by 10% instead.

■ 51.3993, 0.2404,
0.2995

■ 51.3993, 0.2404,
0.2995

■ 392.1132, 0.2749,
0.3148

■ 36.5265, 0.2323,
0.2956

■ 92.2447, 0.2526,
0.3052

■ 24.8411, 0.2222,
0.2905

■ 118.9861, 0.2572,
0.3072

■ 15.9587, 0.2094,
0.2837

■ 150.4525, 0.2612,
0.3090

■ 9.4949, 0.1924,
0.2742

■ 187.0283, 0.2647,
0.3105

■ 5.0654, 0.1692,
0.2600

■ 229.0979, 0.2677,
0.3118

■ 2.2857, 0.1363,
0.2374

■ 277.0456, 0.2704,

■ 0.7661, 0.0513,

0.3129

0.2041

331.2559, 0.2728,
0.3139

0.0000, 0.0000,
0.0000

51.3993, 0.2404,
0.2995

51.3993, 0.2404,
0.2995

48.1639, 0.2300,
0.2928

55.0592, 0.2524,
0.3060

45.3183, 0.2214,
0.2859

59.1636, 0.2657,
0.3122

42.8313, 0.2148,
0.2789

63.7381, 0.2800,
0.3180

40.6635, 0.2101,
0.2720

68.8045, 0.2950,
0.3234

39.0191, 0.2073,
0.2663

74.3829, 0.3104,
0.3283

80.4926, 0.3258,
0.3327

84.8930, 0.3330,
0.3369

87.3358, 0.3325,
0.3411

89.8373, 0.3320,
0.3452

Harmonies

Analogous

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



51.3993, 0.2556, 0.3363



51.3993, 0.2404, 0.2995



51.3993, 0.2430, 0.2742

Triad

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



51.3993, 0.2404, 0.2995



51.3993, 0.3369, 0.2897



51.3993, 0.3621, 0.3983

Complementary

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



51.3993, 0.2404, 0.2995



33.3562, 0.4460, 0.3548

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.



51.3993, 0.3867, 0.3799



51.3993, 0.2404, 0.2995



51.3993, 0.3723, 0.3182

Square

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



51.3993, 0.2404, 0.2995



51.3993, 0.2965, 0.2705



51.3993, 0.3909, 0.3505



51.3993, 0.3250, 0.3971

Rectangle

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



51.3993, 0.2404, 0.2995



51.3993, 0.2544, 0.2660



51.3993, 0.3909, 0.3505



51.3993, 0.3722, 0.3940

Sweetspot

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



51.4012, 0.2404, 0.2995



88.9127, 0.2896, 0.3215



58.7127, 0.2945, 0.4638



18.7241, 0.2864, 0.3204



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.



51.4012, 0.2404, 0.2995



63.6173, 0.2291, 0.2921



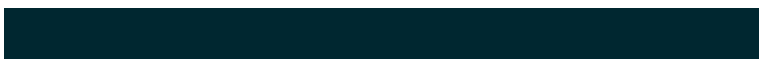
29.1802, 0.2240, 0.2168



15.1074, 0.2982, 0.3244



22.6533, 0.2076, 0.2673



1.6855, 0.2105, 0.2779

Inverse Universe

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



31.2687, 0.3412, 0.2256



35.2283, 0.3492, 0.2081



53.1923, 0.4081, 0.4186



13.8887, 0.3167, 0.3102



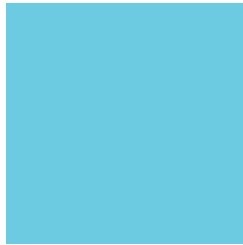
11.1949, 0.3754, 0.1841



0.7876, 0.3654, 0.1787

Previews

White Background



This preview shows how the Yxy color 51.3993, 0.2404, 0.2995 looks on a white background.

Color Contrast Check

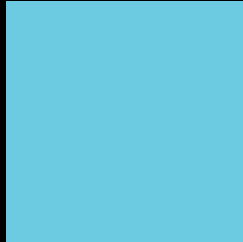
Large Text (above 18pt) WCAG AA × Fail

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 51.3993, 0.2404, 0.2995 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

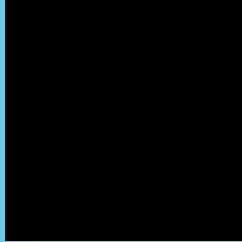
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.3993, 0.2404, 0.2995

Background



This preview shows how black text looks on a background with the Yxy color 51.3993, 0.2404, 0.2995.



This preview shows how white text looks on a background with the Yxy color 51.3993, 0.2404, 0.2995.

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

51.3993, 0.2404, 0.2995

Protanopia

50.6373, 0.2898, 0.2946

Deuteranopia

50.9199, 0.2823, 0.2766



Tritanopia

51.4788, 0.2421, 0.3072

Trichromacy



Original Color

51.3993, 0.2404, 0.2995

Protanomaly

50.4225, 0.2684, 0.2957

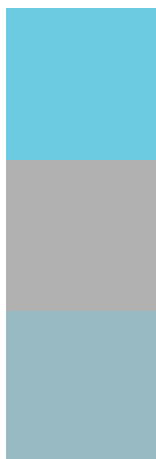
Deuteranomaly

50.6716, 0.2641, 0.2838

Tritanomaly

51.6478, 0.2416, 0.3047

Monochromacy



Original Color

51.3993, 0.2404, 0.2995

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

45.6883, 0.2801, 0.3180

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.3993, 0.2404, 0.2995 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(109, 203, 225)` looks like.

```
.text, #text, p{  
    color:rgb(109, 203, 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(109, 203, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 203, 225) }
```

Border

The CSS property to change the border of an element to Yxy 51.3993, 0.2404, 0.2995 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(109, 203, 225) }
```

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

```
.border{ border-color:rgb(109, 203, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 203, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 203, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 203, 225); box-shadow:4px 4px 4px 4px rgb(109, 203, 225) }
```


Background

The CSS property to change the background color of an element to Yxy 51.3993, 0.2404, 0.2995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 203, 225) }
```

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

```
.background{ background-color: rgb(109,  
203, 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](#).

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