

Converting Colors

$Y_{xy}(53.3310, 0.2620, 0.3304)$

Have a look what the booklet for
Yxy(53.3310, 0.2620, 0.3304)
contains.

Yxy(53.2962, 0.2620, 0.3302)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(53.2962, 0.2620, 0.3302)

Conversions

Conversions Part 1

Format	Color
Hex	82CECD
RGB	130, 206, 205
RGB Percent	51%, 81%, 80%
CMY	0.4905, 0.1921, 0.1960
CMYK	0.37, 0.00, 0.00, 0.19
HSL	179°, 44%, 66%
HSV	179°, 37%, 81%
XYZ	42.2883, 53.2962, 65.8213
YIQ	183.1620, -44.9750, -16.4230

Conversions

Conversions Part 2

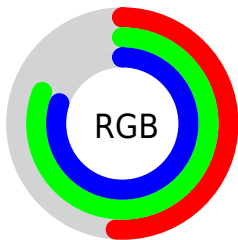
Format	Color
RYB	130, 168, 206
Decimal	8572621
CIELab	78.05, -23.68, -6.95
CIELCh	78, 24.679, 196.367
Yxy	53.2962, 0.2620, 0.3302
Android (android.graphics.Color)	4286762701 (0xFF82CECD)
YUV	183.1620, 10.7661, -46.6231
Hunter-Lab	73.0042, -24.3598, -2.3534

Details

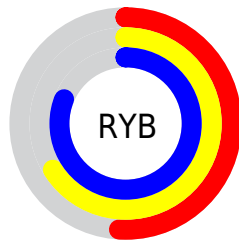
The Yxy color **53.2962, 0.2620, 0.3302** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **30.7056, 0.4008, 0.3280**, and the grayscale version is **47.3978, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1791, 0.2731, 0.3289**, and **25.8634, 0.2486, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **51.8171, 0.2514, 0.3306**, and if you desaturate by 10%, it is **55.1057, 0.2742, 0.3298**.

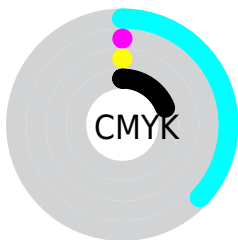
Distribution



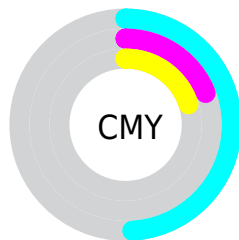
- Red (51%)
- Green (81%)
- Blue (80%)



- Red (51%)
- Yellow (66%)
- Blue (81%)



- Cyan (37%)
- Magenta (0%)
- Yellow (0%)
- Black (19%)




- Cyan (49%)
- Magenta (19%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.2962, 0.2620, 0.3302 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 53.2962, 0.2620, 0.3302 by changing the saturation by 10% instead.


 53.2962, 0.2620,
0.3302


 53.2962, 0.2620,
0.3302


399.4205, 0.2864,
0.3300


 38.0393, 0.2562,
0.3301


 95.0401, 0.2707,
0.3302

 26.0132, 0.2489,
0.3299


 122.2958, 0.2740,
0.3302

 16.8335, 0.2394,
0.3296


 154.3200, 0.2768,
0.3302

 10.1158, 0.2267,
0.3289


191.4969, 0.2793,
0.3302

 5.4758, 0.2087,
0.3275

234.2110, 0.2814,
0.3301

 2.5291, 0.1818,
0.3242

282.8467, 0.2833,

 0.8911, 0.0994,

0.3301

337.7884, 0.2850,
0.3301

0.3294

0.0000, 0.0000,
0.0000

53.2962, 0.2620,
0.3302

53.2962, 0.2620,
0.3302

51.8171, 0.2514,
0.3306

55.1057, 0.2742,
0.3298

50.6423, 0.2426,
0.3310

57.2570, 0.2876,
0.3295

49.7524, 0.2357,
0.3314

59.7691, 0.3022,
0.3292

49.1228, 0.2308,
0.3318

62.6574, 0.3175,
0.3289

48.7249, 0.2276,
0.3322

65.9367, 0.3332,
0.3287

■ 48.5208, 0.2261,
0.3327

■ 69.6207, 0.3491,
0.3285

■ 48.4761, 0.2258,
0.3328

■ 69.9112, 0.3500,
0.3282

■ 69.9246, 0.3498,
0.3279

■ 69.9379, 0.3496,
0.3276

Harmonies

Analogous

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



53.2962, 0.2860, 0.3614



53.2962, 0.2620, 0.3302



53.2962, 0.2513, 0.3007

Triad

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



53.2962, 0.2620, 0.3302



53.2962, 0.3046, 0.2816



53.2962, 0.3721, 0.3751

Complementary

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



53.2962, 0.2620, 0.3302



30.7056, 0.4008, 0.3280

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.



53.2962, 0.3783, 0.3518



53.2962, 0.2620, 0.3302



53.2962, 0.3382, 0.2994

Square

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



53.2962, 0.2620, 0.3302



53.2962, 0.2749, 0.2748



53.2962, 0.3657, 0.3245



53.2962, 0.3497, 0.3875

Rectangle

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



53.2962, 0.2620, 0.3302



53.2962, 0.2526, 0.2863



53.2962, 0.3657, 0.3245



53.2962, 0.3762, 0.3682

Sweetspot

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



53.2983, 0.2620, 0.3302



95.0389, 0.2960, 0.3293



50.6005, 0.3084, 0.4397



20.2225, 0.2940, 0.3294



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.



53.2983, 0.2620, 0.3302



84.4666, 0.2538, 0.3305



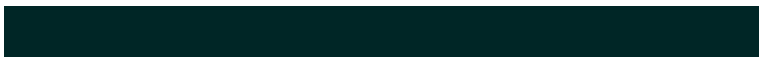
37.6612, 0.2540, 0.2768



12.7244, 0.2985, 0.3293



29.8460, 0.2258, 0.3327



1.5406, 0.2255, 0.3319

Inverse Universe

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



30.7056, 0.4008, 0.3280



42.8672, 0.4289, 0.3278



42.2618, 0.3845, 0.3757



11.2160, 0.3288, 0.3287



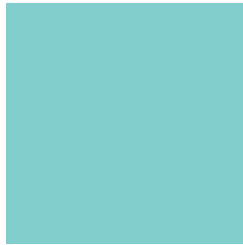
8.0848, 0.6385, 0.3291



0.4179, 0.6330, 0.3261

Previews

White Background



This preview shows how the Yxy color 53.2962, 0.2620, 0.3302 looks on a white background.

Color Contrast Check

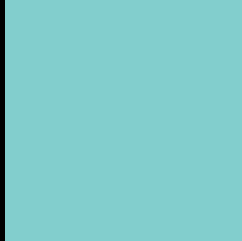
Large Text (above 18pt) WCAG AA × Fail

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 53.2962, 0.2620, 0.3302 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

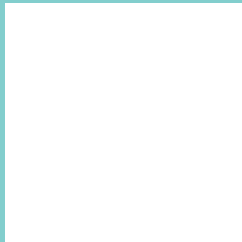
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.2962, 0.2620, 0.3302

Background



This preview shows how black text looks on a background with the Yxy color 53.2962, 0.2620, 0.3302.



This preview shows how white text looks on a background with the Yxy color 53.2962, 0.2620, 0.3302.

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

53.2962, 0.2620, 0.3302

Protanopia

52.7165, 0.3114, 0.3229

Deuteranopia

52.8406, 0.3091, 0.3029



Tritanopia

53.4214, 0.2557, 0.3080

Trichromacy



Original Color

53.2962, 0.2620, 0.3302

Protanomaly

52.2613, 0.2914, 0.3251

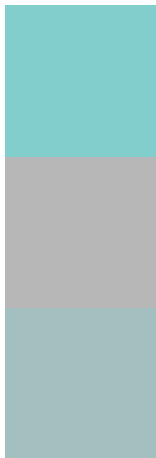
Deuteranomaly

52.3677, 0.2889, 0.3114

Tritanomaly

53.5555, 0.2580, 0.3157

Monochromacy



Original Color

53.2962, 0.2620, 0.3302

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

48.9157, 0.2915, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.2962, 0.2620, 0.3302 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(130, 206, 205)` looks like.

```
.text, #text, p{  
    color:rgb(130, 206, 205)  
}
```

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(130, 206, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 206, 205) }
```

Border

The CSS property to change the border of an element to Yxy 53.2962, 0.2620, 0.3302 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(130, 206, 205) }
```

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

```
.border{ border-color:rgb(130, 206, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 206, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 206, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 206, 205);  
box-shadow:4px 4px 4px 4px rgb(130, 206,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 53.2962, 0.2620, 0.3302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 206, 205) }
```

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

```
.background{ background-color: rgb(130,  
206, 205) }
```

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