

Converting Colors

$Y_{xy}(53.3967, 0.2534, 0.3007)$

Have a look what the booklet for
Yxy(53.3967, 0.2534, 0.3007)
contains.

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Color

Yxy(53.2990, 0.2533, 0.3005)

Conversions

Conversions Part 1

Format	Color
Hex	87CBE1
RGB	135, 203, 225
RGB Percent	53%, 80%, 88%
CMY	0.4709, 0.2038, 0.1177
CMYK	0.40, 0.10, 0.00, 0.12
HSL	195°, 60%, 71%
HSV	195°, 40%, 88%
XYZ	44.9272, 53.2990, 79.1415
YIQ	185.1760, -47.5900, -7.5740

Conversions

Conversions Part 2

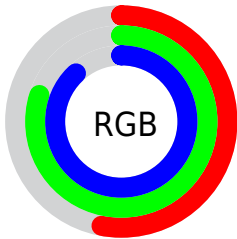
Format	Color
RYB	135, 174, 225
Decimal	8899553
CIELab	78.05, -15.91, -17.67
CIELCh	78, 23.771, 228.001
Yxy	53.2990, 0.2533, 0.3005
Android (android.graphics.Color)	4287089633 (0xFF87CBE1)
YUV	185.1760, 19.6332, -44.0044
Hunter-Lab	73.0062, -17.9137, -13.1683

Details

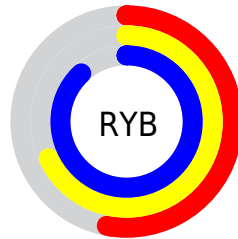
The Yxy color **53.2990, 0.2533, 0.3005** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.8300, 0.4030, 0.3552**, and the grayscale version is **48.5195, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8164, 0.2757, 0.3289**, and **26.1026, 0.2385, 0.2921** is the 20% darker color. If you saturate the color by 10%, you get **49.0826, 0.2405, 0.2921**, and if you desaturate by 10%, it is **58.0055, 0.2673, 0.3085**.

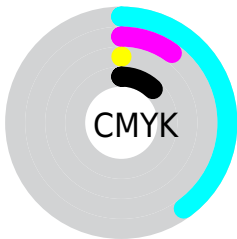
Distribution



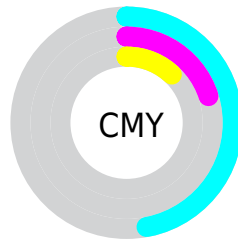
- Red (53%)
- Green (80%)
- Blue (88%)



- Red (53%)
- Yellow (68%)
- Blue (88%)



- Cyan (40%)
- Magenta (10%)
- Yellow (0%)
- Black (12%)




- Cyan (47%)
- Magenta (20%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.2990, 0.2533, 0.3005 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 53.2990, 0.2533, 0.3005 by changing the saturation by 10% instead.


 53.2990, 0.2533,
0.3005

 53.2990, 0.2533,
0.3005


399.4312, 0.2817,
0.3149


 38.0415, 0.2466,
0.2969


 95.0442, 0.2633,
0.3058

 26.0149, 0.2383,
0.2923


 122.3007, 0.2671,
0.3077

 16.8348, 0.2276,
0.2861


 154.3257, 0.2704,
0.3094

 10.1168, 0.2135,
0.2777

191.5035, 0.2733,
0.3108

 5.4765, 0.1939,
0.2652

234.2186, 0.2758,
0.3120

 2.5294, 0.1655,
0.2456

282.8553, 0.2780,

 0.8913, 0.1102,

0.3131

0.2140

337.7980, 0.2799,
0.3141

0.0000, 0.0000,
0.0000

53.2990, 0.2533,
0.3005

53.2990, 0.2533,
0.3005

49.0826, 0.2405,
0.2921

58.0055, 0.2673,
0.3085

45.3242, 0.2291,
0.2832

63.2196, 0.2820,
0.3159

41.9968, 0.2194,
0.2742

68.9655, 0.2973,
0.3228

39.0676, 0.2117,
0.2651

75.2638, 0.3127,
0.3290

36.4978, 0.2060,
0.2560

82.1338, 0.3280,
0.3346

■ 34.2258, 0.2020,
0.2470

■ 86.6538, 0.3327,
0.3399

■ 89.8614, 0.3320,
0.3452

■ 93.1670, 0.3313,
0.3505

■ 96.5714, 0.3307,
0.3557

Harmonies

Analogous

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



53.2990, 0.2629, 0.3285



53.2990, 0.2533, 0.3005



53.2990, 0.2585, 0.2822

Triad

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



53.2990, 0.2533, 0.3005



53.2990, 0.3389, 0.3017



53.2990, 0.3469, 0.3855

Complementary

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



53.2990, 0.2533, 0.3005



41.8300, 0.4030, 0.3552

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.



53.2990, 0.3692, 0.3745



53.2990, 0.2533, 0.3005



53.2990, 0.3648, 0.3262

Square

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



53.2990, 0.2533, 0.3005



53.2990, 0.3067, 0.2839



53.2990, 0.3760, 0.3525



53.2990, 0.3161, 0.3802

Rectangle

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



53.2990, 0.2533, 0.3005



53.2990, 0.2699, 0.2771



53.2990, 0.3760, 0.3525



53.2990, 0.3557, 0.3835

Sweetspot

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



53.3011, 0.2533, 0.3005



89.9814, 0.2941, 0.3214



61.3849, 0.2952, 0.4225



19.0402, 0.2921, 0.3205



0.0000, 0.0000, 0.0000



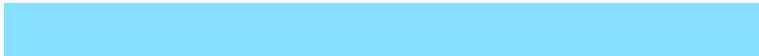
21.4041, 0.3127, 0.3290

Same Dimension

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



53.3011, 0.2533, 0.3005



66.1035, 0.2425, 0.2935



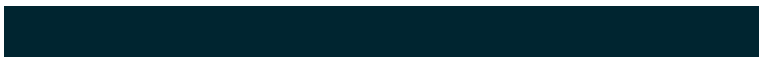
35.3569, 0.2438, 0.2398



14.9763, 0.2982, 0.3231



19.9173, 0.2023, 0.2484



1.5175, 0.2062, 0.2623

Inverse Universe

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



37.6255, 0.3383, 0.2521



43.3700, 0.3454, 0.2371



59.5110, 0.3824, 0.4042



13.8755, 0.3175, 0.3114



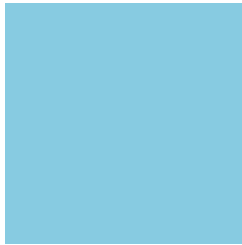
10.9187, 0.3938, 0.1943



0.7707, 0.3802, 0.1868

Previews

White Background



This preview shows how the Yxy color 53.2990, 0.2533, 0.3005 looks on a white background.

Color Contrast Check

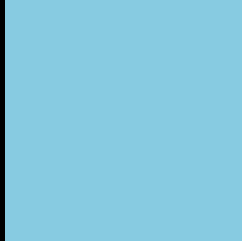
Large Text (above 18pt) WCAG AA × Fail

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 53.2990, 0.2533, 0.3005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

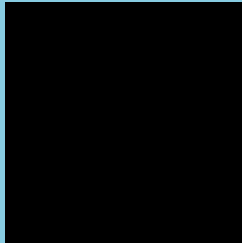
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

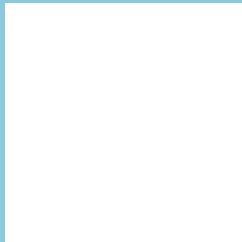
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.2990, 0.2533, 0.3005

Background



This preview shows how black text looks on a background with the Yxy color 53.2990, 0.2533, 0.3005.



This preview shows how white text looks on a background with the Yxy color 53.2990, 0.2533, 0.3005.

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

53.2990, 0.2533, 0.3005

Protanopia

52.9627, 0.2916, 0.2976

Deuteranopia

52.9053, 0.2877, 0.2819



Tritanopia

53.4214, 0.2557, 0.3080

Trichromacy



Original Color

53.2990, 0.2533, 0.3005

Protanomaly

52.6325, 0.2761, 0.2978

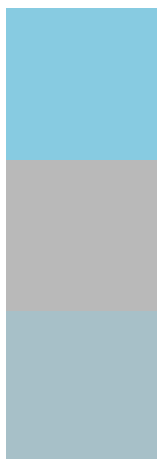
Deuteranomaly

52.4566, 0.2736, 0.2873

Tritanomaly

53.5280, 0.2546, 0.3055

Monochromacy



Original Color

53.2990, 0.2533, 0.3005

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

50.0849, 0.2876, 0.3186

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.2990, 0.2533, 0.3005 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(135, 203, 225)` looks like.

```
.text, #text, p{  
    color:rgb(135, 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(135, 203, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 203, 225) }
```

Border

The CSS property to change the border of an element to Yxy 53.2990, 0.2533, 0.3005 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(135, 203, 225) }
```

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

```
.border{ border-color:rgb(135, 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(135, 203, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 203, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 203, 225);  
box-shadow:4px 4px 4px 4px rgb(135, 203,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 53.2990, 0.2533, 0.3005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 203, 225) }
```

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

```
.background{ background-color: rgb(135,  
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](#).

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