

Converting Colors

$Y_{xy}(61.0360, 0.2332, 0.3172)$

Have a look what the booklet for
Yxy(61.0360, 0.2332, 0.3172)
contains.

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Color

Yxy(60.9883, 0.2332, 0.3171)

Conversions

Conversions Part 1

Format	Color
Hex	52E0E9
RGB	82, 224, 233
RGB Percent	32%, 88%, 91%
CMY	0.6778, 0.1216, 0.0863
CMYK	0.65, 0.04, 0.00, 0.09
HSL	184°, 77%, 62%
HSV	184°, 65%, 91%
XYZ	44.8517, 60.9883, 86.4914
YIQ	182.5680, -87.5210, -27.3050

Conversions

Conversions Part 2

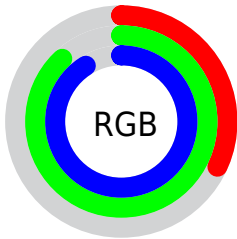
Format	Color
RYB	82, 155, 233
Decimal	5431529
CIELab	82.37, -34.75, -15.62
CIELCh	82, 38.098, 204.201
Yxy	60.9883, 0.2332, 0.3171
Android (android.graphics.Color)	4283621609 (0xFF52E0E9)
YUV	182.5680, 24.8630, -88.1981
Hunter-Lab	78.0950, -34.1498, -10.9981

Details

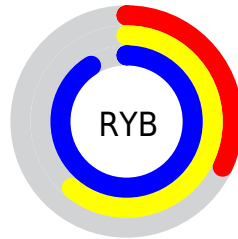
The Yxy color **60.9883, 0.2332, 0.3171** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **25.4426, 0.5171, 0.3383**, and the grayscale version is **47.0257, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0359, 0.2553, 0.3288**, and **31.1796, 0.2203, 0.3131** is the 20% darker color. If you saturate the color by 10%, you get **59.3710, 0.2270, 0.3151**, and if you desaturate by 10%, it is **62.9709, 0.2413, 0.3191**.

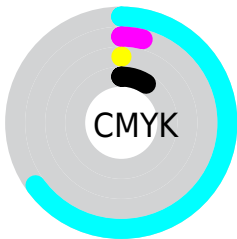
Distribution



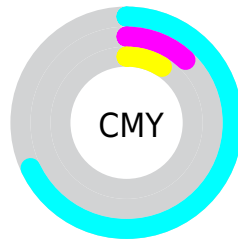
- Red (32%)
- Green (88%)
- Blue (91%)



- Red (32%)
- Yellow (61%)
- Blue (91%)



- Cyan (65%)
- Magenta (4%)
- Yellow (0%)
- Black (9%)




- Cyan (68%)
- Magenta (12%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.9883, 0.2332, 0.3171 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 60.9883, 0.2332, 0.3171 by changing the saturation by 10% instead.


 60.9883, 0.2332,
0.3171


 60.9883, 0.2332,
0.3171

428.2311, 0.2700,
0.3239

 44.2157, 0.2249,
0.3152

 106.2620, 0.2459,
0.3197

 30.8401, 0.2146,
0.3127


 135.5319, 0.2509,
0.3207

 20.4771, 0.2017,
0.3092


 169.7364, 0.2552,
0.3215

 12.7424, 0.1851,
0.3042

 209.2598, 0.2589,
0.3221

 7.2514, 0.1631,
0.2965

254.4866, 0.2622,
0.3227

 3.6198, 0.1329,
0.2837

305.8012, 0.2651,

 1.4632, 0.0814,

0.3231

363.5879, 0.2677,
0.3236

0.2625

0.2626, 0.0000,
0.1543

0.0000, 0.0000,
0.0000

60.9883, 0.2332,
0.3171

60.9883, 0.2332,
0.3171

59.3710, 0.2270,
0.3151

62.9709, 0.2413,
0.3191

58.0747, 0.2228,
0.3130

65.3443, 0.2513,
0.3211

57.0556, 0.2203,
0.3110


68.1395, 0.2629,
0.3231


56.5928, 0.2195,
0.3100


71.3825, 0.2760,
0.3249

 75.0971, 0.2903,
0.3267

 79.3054, 0.3054,
0.3283

 84.0283, 0.3210,
0.3298

 86.6243, 0.3276,
0.3311

 87.4239, 0.3274,
0.3325

Harmonies

Analogous

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



60.9883, 0.2625, 0.3658



60.9883, 0.2332, 0.3171



60.9883, 0.2241, 0.2772

Triad

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



60.9883, 0.2332, 0.3171



60.9883, 0.3130, 0.2666



60.9883, 0.3928, 0.4022

Complementary

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



60.9883, 0.2332, 0.3171



25.4426, 0.5171, 0.3383

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.



60.9883, 0.4099, 0.3698



60.9883, 0.2332, 0.3171



60.9883, 0.3621, 0.2947

Square

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



60.9883, 0.2332, 0.3171



60.9883, 0.2673, 0.2523



60.9883, 0.3988, 0.3313



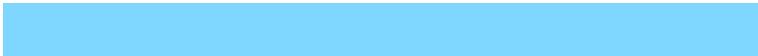
60.9883, 0.3544, 0.4173

Rectangle

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



60.9883, 0.2332, 0.3171



60.9883, 0.2297, 0.2604



60.9883, 0.3988, 0.3313



60.9883, 0.4013, 0.3927

Sweetspot

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



60.9906, 0.2332, 0.3171



90.1101, 0.2839, 0.3259



60.8070, 0.3002, 0.5297



19.0097, 0.2799, 0.3254



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.



60.9906, 0.2332, 0.3171



72.2442, 0.2253, 0.3143



29.5065, 0.2081, 0.2110



16.9589, 0.2981, 0.3275



32.1806, 0.2195, 0.3103



2.5738, 0.2203, 0.3131

Inverse Universe

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



28.7618, 0.3289, 0.1889



30.5771, 0.3323, 0.1726



44.8858, 0.4517, 0.4171



15.2973, 0.3147, 0.3071



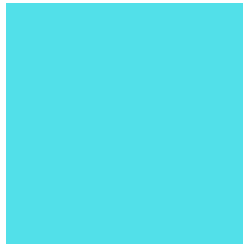
12.7415, 0.3364, 0.1627



1.0052, 0.3341, 0.1614

Previews

White Background



This preview shows how the Yxy color 60.9883, 0.2332, 0.3171 looks on a white background.

Color Contrast Check

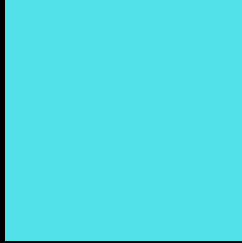
Large Text (above 18pt) WCAG AA × Fail

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 60.9883, 0.2332, 0.3171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

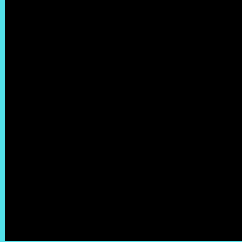
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.9883, 0.2332, 0.3171

Background



This preview shows how black text looks on a background with the Yxy color 60.9883, 0.2332, 0.3171.



This preview shows how white text looks on a background with the Yxy color 60.9883, 0.2332, 0.3171.

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

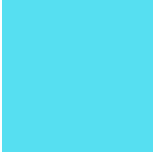
60.9883, 0.2332, 0.3171

Protanopia

59.9121, 0.3008, 0.3093

Deuteranopia

60.2007, 0.2903, 0.2844



Tritanopia

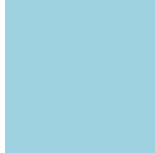
61.1047, 0.2308, 0.3058

Trichromacy



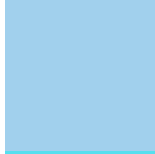
Original Color

60.9883, 0.2332, 0.3171



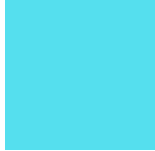
Protanomaly

58.7441, 0.2684, 0.3116



Deuteranomaly

58.8032, 0.2626, 0.2940



Tritanomaly

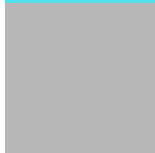
60.8797, 0.2317, 0.3095

Monochromacy



Original Color

60.9883, 0.2332, 0.3171



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

50.7162, 0.2728, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.9883, 0.2332, 0.3171 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(82, 224, 233)` looks like.

```
.text, #text, p{  
  color:rgb(82, 224, 233)  
}
```

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(82, 224, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 224, 233) }
```

Border

The CSS property to change the border of an element to Yxy 60.9883, 0.2332, 0.3171 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(82, 224, 233) }
```

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

```
.border{ border-color:rgb(82, 224, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 224, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 224, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 224, 233);  
box-shadow:4px 4px 4px 4px rgb(82, 224,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 60.9883, 0.2332, 0.3171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 224, 233) }
```

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

```
.background{ background-color: rgb(82, 224,  
233) }
```

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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