

Converting Colors

$Yxy(60.8482, 0.2269, 0.3148)$

Have a look what the booklet for
Yxy(60.8482, 0.2269, 0.3148)
contains.

Yxy(60.8364, 0.2267, 0.3144)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(60.8364, 0.2267, 0.3144)

Conversions

Conversions Part 1

Format	Color
Hex	3BE1EC
RGB	59, 225, 236
RGB Percent	23%, 88%, 93%
CMY	0.7690, 0.1176, 0.0745
CMYK	0.75, 0.05, 0.00, 0.07
HSL	184°, 82%, 58%
HSV	184°, 75%, 93%
XYZ	43.8664, 60.8364, 88.7971
YIQ	176.6200, -102.4670, -31.7710

Conversions

Conversions Part 2

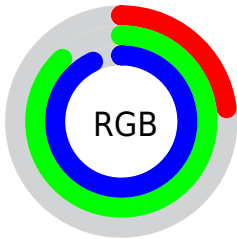
Format	Color
R _Y B	59, 145, 236
Decimal	3924460
CIE Lab	82.29, -37.27, -17.39
CIE LCh	82, 41.127, 205.015
Yxy	60.8364, 0.2267, 0.3144
Android (android.graphics.Color)	4282114540 (0xFF3BE1EC)
YUV	176.6200, 29.2743, -103.1527
Hunter-Lab	77.9977, -36.1063, -12.9008

Details

The Yxy color **60.8364, 0.2267, 0.3144** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **22.5211, 0.5642, 0.3382**, and the grayscale version is **43.6301, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7265, 0.2493, 0.3288**, and **31.6712, 0.2194, 0.3099** is the 20% darker color. If you saturate the color by 10%, you get **59.4845, 0.2225, 0.3123**, and if you desaturate by 10%, it is **62.5251, 0.2328, 0.3165**.

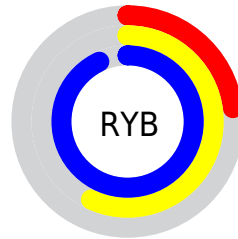
Distribution



Red (23%)

Green (88%)

Blue (93%)



Red (23%)

Yellow (57%)

Blue (93%)

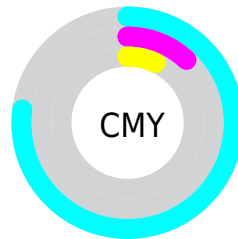


Cyan (75%)

Magenta (5%)

Yellow (0%)

Black (7%)



Cyan (77%)


Magenta (12%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.8364, 0.2267, 0.3144 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 60.8364, 0.2267, 0.3144 by changing the saturation by 10% instead.

 60.8364, 0.2267,
0.3144

 60.8364, 0.2267,
0.3144


427.6739, 0.2664,
0.3227

 44.0931, 0.2178,
0.3121


 106.0420, 0.2404,
0.3176

 30.7437, 0.2068,
0.3091


 135.2732, 0.2457,
0.3187

 20.4038, 0.1931,
0.3049


 169.4358, 0.2504,
0.3197

 12.6889, 0.1755,
0.2990

 208.9142, 0.2544,
0.3205

 7.2147, 0.1525,
0.2899

254.0928, 0.2579,
0.3212

 3.5967, 0.1213,
0.2750

305.3560, 0.2611,

 1.4506, 0.0664,

0.3218

0.2511

363.0883, 0.2639,
0.3223

■ 0.2536, 0.0000,
0.1373

■ 0.0000, 0.0000,
0.0000

■ 60.8364, 0.2267,
0.3144

■ 60.8364, 0.2267,
0.3144

■ 59.4845, 0.2225,
0.3123

■ 62.5251, 0.2328,
0.3165


■ 58.4148, 0.2200,
0.3102

■ 64.5829, 0.2409,
0.3187


■ 57.9525, 0.2192,
0.3092


■ 67.0455, 0.2509,
0.3207

■ 69.9425, 0.2625,
0.3228

 73.3010, 0.2756,
0.3247

 77.1455, 0.2898,
0.3265

 81.4991, 0.3049,
0.3282

 86.3831, 0.3205,
0.3297

 88.5879, 0.3253,
0.3312

Harmonies

Analogous

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



60.8364, 0.2574, 0.3674



60.8364, 0.2267, 0.3144



60.8364, 0.2177, 0.2720

Triad

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



60.8364, 0.2267, 0.3144



60.8364, 0.3142, 0.2628



60.8364, 0.3979, 0.4083

Complementary

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



60.8364, 0.2267, 0.3144



22.5211, 0.5642, 0.3382

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.



60.8364, 0.4175, 0.3734



60.8364, 0.2267, 0.3144



60.8364, 0.3674, 0.2930

Square

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



60.8364, 0.2267, 0.3144



60.8364, 0.2648, 0.2470



60.8364, 0.4065, 0.3321



60.8364, 0.3559, 0.4246

Rectangle

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



60.8364, 0.2267, 0.3144



60.8364, 0.2242, 0.2545



60.8364, 0.4065, 0.3321



60.8364, 0.4075, 0.3980

Sweetspot

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



60.8387, 0.2267, 0.3144



88.2190, 0.2783, 0.3251



61.3409, 0.2993, 0.5591



18.5489, 0.2733, 0.3244



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.



60.8387, 0.2267, 0.3144



70.1876, 0.2210, 0.3112



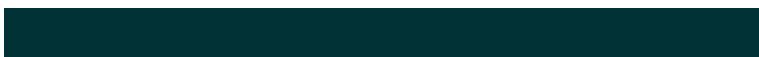
25.3370, 0.1944, 0.1886



16.9521, 0.2981, 0.3275



32.0118, 0.2193, 0.3095



2.5623, 0.2201, 0.3124

Inverse Universe

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



26.3914, 0.3320, 0.1761



28.3120, 0.3355, 0.1654



42.0349, 0.4775, 0.4241



15.2967, 0.3147, 0.3072



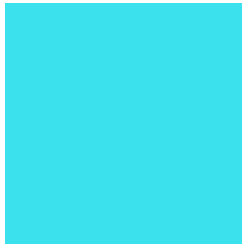
12.7244, 0.3371, 0.1631



1.0041, 0.3346, 0.1617

Previews

White Background



This preview shows how the Yxy color 60.8364, 0.2267, 0.3144 looks on a white background.

Color Contrast Check

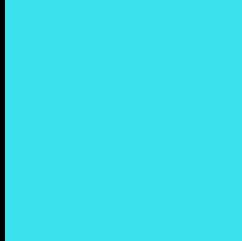
Large Text (above 18pt) WCAG AA × Fail

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 60.8364, 0.2267, 0.3144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

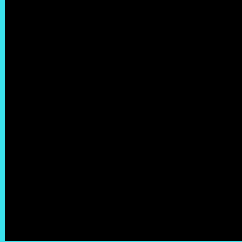
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.8364, 0.2267, 0.3144

Background



This preview shows how black text looks on a background with the Yxy color 60.8364, 0.2267, 0.3144.



This preview shows how white text looks on a background with the Yxy color 60.8364, 0.2267, 0.3144.

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

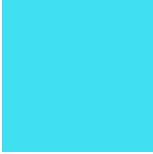
60.8364, 0.2267, 0.3144

Protanopia

59.8790, 0.2987, 0.3070

Deuteranopia

59.6363, 0.2869, 0.2799



Tritanopia

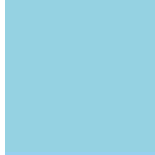
60.8121, 0.2251, 0.3056

Trichromacy



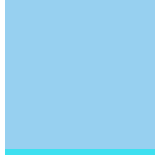
Original Color

60.8364, 0.2267, 0.3144



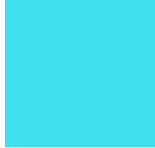
Protanomaly

57.9737, 0.2620, 0.3089



Deuteranomaly

57.9823, 0.2553, 0.2900



Tritanomaly

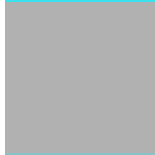
60.6267, 0.2255, 0.3081

Monochromacy



Original Color

60.8364, 0.2267, 0.3144



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

47.7291, 0.2663, 0.3233

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.8364, 0.2267, 0.3144 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(59, 225, 236)` looks like.

```
.text, #text, p{  
  color:rgb(59, 225, 236)  
}
```

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(59, 225, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 225, 236) }
```

Border

The CSS property to change the border of an element to Yxy 60.8364, 0.2267, 0.3144 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(59, 225, 236) }
```

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

```
.border{ border-color:rgb(59, 225, 236) }
```

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

Here you see how a box with a 4 pixel rgb(59, 225, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 225, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 225, 236);  
box-shadow:4px 4px 4px 4px rgb(59, 225,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 60.8364, 0.2267, 0.3144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 225, 236) }
```

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

```
.background{ background-color: rgb(59, 225,  
236) }
```

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