

Converting Colors

$Y_{xy}(60.1050, 0.2246, 0.3114)$

Have a look what the booklet for
Yxy(60.1050, 0.2246, 0.3114)
contains.

Yxy(60.1558, 0.2247, 0.3118)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(60.1558, 0.2247, 0.3118)

Conversions

Conversions Part 1

Format	Color
Hex	34E0ED
RGB	52, 224, 237
RGB Percent	20%, 88%, 93%
CMY	0.7963, 0.1215, 0.0707
CMYK	0.78, 0.05, 0.00, 0.07
HSL	184°, 84%, 57%
HSV	184°, 78%, 93%
XYZ	43.3515, 60.1558, 89.4234
YIQ	174.0540, -106.6850, -32.4210

Conversions

Conversions Part 2

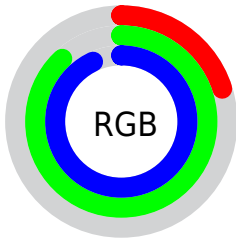
Format	Color
RYB	52, 141, 237
Decimal	3465453
CIELab	81.92, -37.20, -18.46
CIElCh	82, 41.531, 206.395
Yxy	60.1558, 0.2247, 0.3118
Android (android.graphics.Color)	4281655533 (0xFF34E0ED)
YUV	174.0540, 31.0324, -107.0414
Hunter-Lab	77.5602, -35.9594, -14.0666

Details

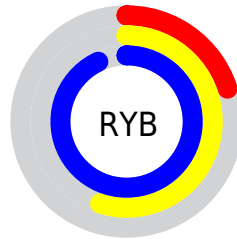
The Yxy color **60.1558, 0.2247, 0.3118** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **22.0165, 0.5761, 0.3390**, and the grayscale version is **42.2274, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4071, 0.2478, 0.3288**, and **31.3415, 0.2185, 0.3065** is the 20% darker color. If you saturate the color by 10%, you get **58.7919, 0.2209, 0.3094**, and if you desaturate by 10%, it is **61.8479, 0.2303, 0.3142**.

Distribution



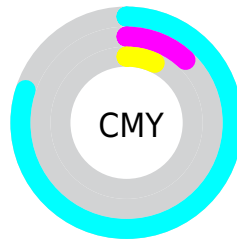
- Red (20%)
- Green (88%)
- Blue (93%)



- Red (20%)
- Yellow (55%)
- Blue (93%)



- Cyan (78%)
- Magenta (5%)
- Yellow (0%)
- Black (7%)





- Cyan (80%)
- Magenta (12%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 60.1558, 0.2247, 0.3118 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 60.1558, 0.2247, 0.3118 by changing the saturation by 10% instead.


 60.1558, 0.2247,
0.3118


 60.1558, 0.2247,
0.3118

425.1718, 0.2653,
0.3214

 43.5442, 0.2156,
0.3092


 105.0556, 0.2387,
0.3155

 30.3124, 0.2043,
0.3058


 134.1127, 0.2442,
0.3168

 20.0758, 0.1903,
0.3011


 168.0870, 0.2489,
0.3179

 12.4502, 0.1724,
0.2944

 207.3631, 0.2530,
0.3188

 7.0510, 0.1489,
0.2843

252.3252, 0.2567,
0.3196

 3.4940, 0.1173,
0.2678

303.3577, 0.2599,

 1.3948, 0.0601,

0.3203

0.2420

360.8451, 0.2627,
0.3209

■ 0.2129, 0.0000,
0.1151

■ 0.0000, 0.0000,
0.0000

■ 60.1558, 0.2247,
0.3118

■ 60.1558, 0.2247,
0.3118

■ 58.7919, 0.2209,
0.3094

■ 61.8479, 0.2303,
0.3142


■ 57.6916, 0.2188,
0.3071


■ 63.9032, 0.2379,
0.3166


■ 57.4944, 0.2185,
0.3066


■ 66.3592, 0.2474,
0.3190


■ 69.2469, 0.2587,
0.3213

 72.5943, 0.2714,
0.3235

 76.4270, 0.2853,
0.3256

 80.7685, 0.3002,
0.3275

 85.6411, 0.3157,
0.3293

 89.0759, 0.3246,
0.3310

Harmonies

Analogous

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



60.1558, 0.2548, 0.3655



60.1558, 0.2247, 0.3118



60.1558, 0.2167, 0.2697

Triad

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



60.1558, 0.2247, 0.3118



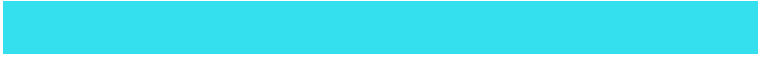
60.1558, 0.3167, 0.2631



60.1558, 0.3975, 0.4105

Complementary

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



60.1558, 0.2247, 0.3118



22.0165, 0.5761, 0.3390

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.



60.1558, 0.4187, 0.3757



60.1558, 0.2247, 0.3118



60.1558, 0.3704, 0.2942

Square

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



60.1558, 0.2247, 0.3118



60.1558, 0.2662, 0.2463



60.1558, 0.4090, 0.3340



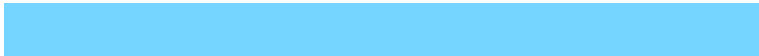
60.1558, 0.3541, 0.4260

Rectangle

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



60.1558, 0.2247, 0.3118



60.1558, 0.2239, 0.2527



60.1558, 0.4090, 0.3340



60.1558, 0.4076, 0.4004

Sweetspot

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



60.1580, 0.2247, 0.3118



87.9295, 0.2782, 0.3246



61.6532, 0.2983, 0.5638



18.4775, 0.2732, 0.3238



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.



60.1580, 0.2247, 0.3118



68.5955, 0.2195, 0.3079



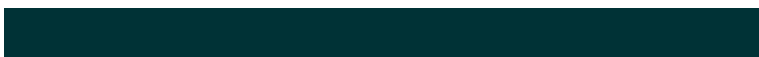
23.3769, 0.1896, 0.1776



16.9307, 0.2981, 0.3273



31.4797, 0.2186, 0.3070



2.5262, 0.2195, 0.3103

Inverse Universe

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



25.8328, 0.3344, 0.1742



27.7956, 0.3384, 0.1654



42.2906, 0.4816, 0.4283



15.2945, 0.3149, 0.3074



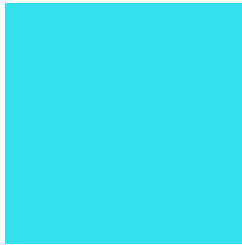
12.6707, 0.3393, 0.1643



1.0004, 0.3365, 0.1627

Previews

White Background



This preview shows how the Yxy color 60.1558, 0.2247, 0.3118 looks on a white background.

Color Contrast Check

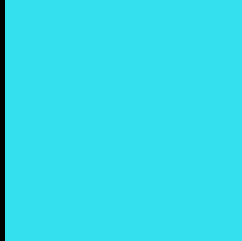
Large Text (above 18pt) WCAG AA × Fail

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 60.1558, 0.2247, 0.3118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

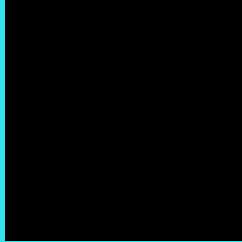
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.1558, 0.2247, 0.3118

Background



This preview shows how black text looks on a background with the Yxy color 60.1558, 0.2247, 0.3118.



This preview shows how white text looks on a background with the Yxy color 60.1558, 0.2247, 0.3118.

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

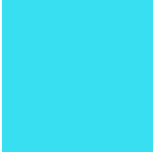
60.1558, 0.2247, 0.3118

Protanopia

59.3266, 0.2973, 0.3047

Deuteranopia

58.8211, 0.2841, 0.2774



Tritanopia

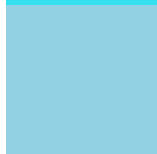
59.9670, 0.2236, 0.3054

Trichromacy



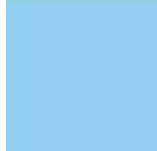
Original Color

60.1558, 0.2247, 0.3118



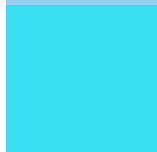
Protanomaly

57.2580, 0.2595, 0.3063



Deuteranomaly

57.1796, 0.2524, 0.2873



Tritanomaly

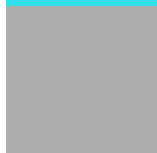
59.8788, 0.2238, 0.3067

Monochromacy



Original Color

60.1558, 0.2247, 0.3118



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

46.4763, 0.2641, 0.3219

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.1558, 0.2247, 0.3118 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(52, 224, 237)` looks like.

```
.text, #text, p{  
  color:rgb(52, 224, 237)  
}
```

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(52, 224, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 224, 237) }
```

Border

The CSS property to change the border of an element to Yxy 60.1558, 0.2247, 0.3118 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(52, 224, 237) }
```

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

```
.border{ border-color:rgb(52, 224, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 224, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 224, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 224, 237);  
box-shadow:4px 4px 4px 4px rgb(52, 224,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 60.1558, 0.2247, 0.3118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 224, 237) }
```

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

```
.background{ background-color: rgb(52, 224,  
237) }
```

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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