

Converting Colors

$Y_{xy}(60.2982, 0.2211, 0.3054)$

Have a look what the booklet for
Yxy(60.2982, 0.2211, 0.3054)
contains.

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Color

Yxy(60.1732, 0.2210, 0.3054)

Conversions

Conversions Part 1

Format	Color
Hex	28E0F2
RGB	40, 224, 242
RGB Percent	16%, 88%, 95%
CMY	0.8447, 0.1215, 0.0510
CMYK	0.84, 0.07, 0.00, 0.05
HSL	185°, 89%, 55%
HSV	185°, 84%, 95%
XYZ	43.5438, 60.1732, 93.3138
YIQ	171.0360, -115.4420, -33.4100

Conversions

Conversions Part 2

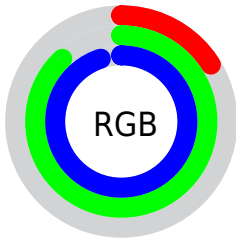
Format	Color
RYB	40, 136, 242
Decimal	2679026
CIELab	81.93, -36.67, -21.12
CIELCh	82, 42.322, 209.942
Yxy	60.1732, 0.2210, 0.3054
Android (android.graphics.Color)	4280869106 (0xFF28E0F2)
YUV	171.0360, 34.9853, -114.9186
Hunter-Lab	77.5714, -35.5510, -17.0224

Details

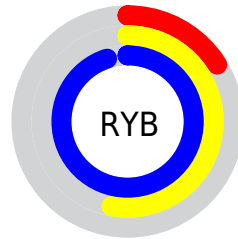
The Yxy color **60.1732, 0.2210, 0.3054** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **22.0075, 0.5950, 0.3403**, and the grayscale version is **40.5489, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1000, 0.2464, 0.3288**, and **31.5504, 0.2162, 0.2983** is the 20% darker color. If you saturate the color by 10%, you get **58.6897, 0.2180, 0.3024**, and if you desaturate by 10%, it is **61.9776, 0.2258, 0.3085**.

Distribution



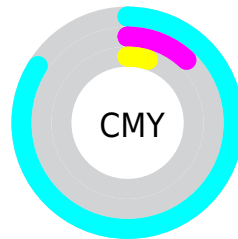
- Red (16%)
- Green (88%)
- Blue (95%)



- Red (16%)
- Yellow (53%)
- Blue (95%)



- Cyan (84%)
- Magenta (7%)
- Yellow (0%)
- Black (5%)





- Cyan (84%)
- Magenta (12%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.1732, 0.2210, 0.3054 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 60.1732, 0.2210, 0.3054 by changing the saturation by 10% instead.


 60.1732, 0.2210,
0.3054


 60.1732, 0.2210,
0.3054


425.2359, 0.2632,
0.3182


 43.5583, 0.2116,
0.3020


 105.0809, 0.2355,
0.3102

 30.3234, 0.2000,
0.2977


 134.1424, 0.2412,
0.3119

 20.0842, 0.1857,
0.2918


 168.1216, 0.2461,
0.3134

 12.4562, 0.1674,
0.2836

 207.4028, 0.2504,
0.3147

 7.0552, 0.1435,
0.2714

252.3704, 0.2541,
0.3157

 3.4966, 0.1119,
0.2522

303.4089, 0.2575,

 1.3962, 0.0573,

0.3166

0.2222

360.9026, 0.2605,
0.3174

■ 0.2139, 0.0000,
0.1003

■ 0.0000, 0.0000,
0.0000

■ 60.1732, 0.2210,
0.3054

■ 60.1732, 0.2210,
0.3054

■ 58.6897, 0.2180,
0.3024


■ 61.9776, 0.2258,
0.3085


■ 57.8624, 0.2168,
0.3005


■ 64.1457, 0.2326,
0.3116

■ 66.7201, 0.2412,
0.3146


■ 69.7360, 0.2517,
0.3176

 73.2245, 0.2639,
0.3205

 77.2139, 0.2773,
0.3233

 81.7301, 0.2918,
0.3258

 86.7974, 0.3070,
0.3282

 91.9839, 0.3212,
0.3304

Harmonies

Analogous

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



60.1732, 0.2490, 0.3597



60.1732, 0.2210, 0.3054



60.1732, 0.2156, 0.2648

Triad

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



60.1732, 0.2210, 0.3054



60.1732, 0.3234, 0.2651



60.1732, 0.3947, 0.4151

Complementary

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



60.1732, 0.2210, 0.3054



22.0075, 0.5950, 0.3403

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.



60.1732, 0.4196, 0.3811



60.1732, 0.2210, 0.3054



60.1732, 0.3773, 0.2980

Square

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



60.1732, 0.2210, 0.3054



60.1732, 0.2708, 0.2461



60.1732, 0.4137, 0.3390



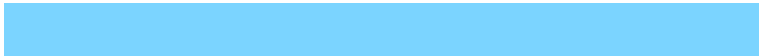
60.1732, 0.3486, 0.4279

Rectangle

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



60.1732, 0.2210, 0.3054



60.1732, 0.2247, 0.2493



60.1732, 0.4137, 0.3390



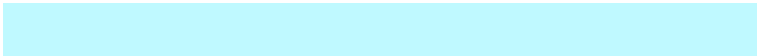
60.1732, 0.4059, 0.4054

Sweetspot

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



60.1754, 0.2210, 0.3054



86.2909, 0.2753, 0.3229



64.2304, 0.2976, 0.5735



18.1231, 0.2705, 0.3219



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.



60.1754, 0.2210, 0.3054



65.1373, 0.2168, 0.3004



21.2492, 0.1822, 0.1608



17.6749, 0.2981, 0.3268



31.1917, 0.2169, 0.3010



2.6646, 0.2180, 0.3049

Inverse Universe

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



25.7483, 0.3402, 0.1724



27.1068, 0.3451, 0.1675



43.3622, 0.4903, 0.4325



16.0058, 0.3152, 0.3078



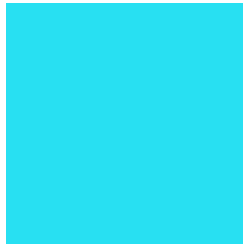
12.9422, 0.3446, 0.1672



1.0837, 0.3411, 0.1653

Previews

White Background



This preview shows how the Yxy color 60.1732, 0.2210, 0.3054 looks on a white background.

Color Contrast Check

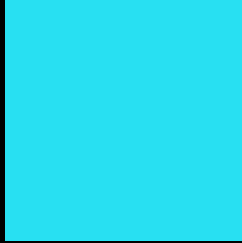
Large Text (above 18pt) WCAG AA × Fail

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 60.1732, 0.2210, 0.3054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

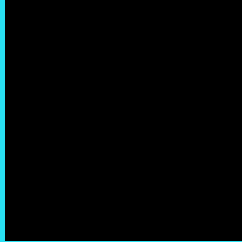
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.1732, 0.2210, 0.3054

Background



This preview shows how black text looks on a background with the Yxy color 60.1732, 0.2210, 0.3054.

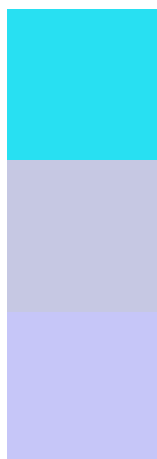


This preview shows how white text looks on a background with the Yxy color 60.1732, 0.2210, 0.3054.

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

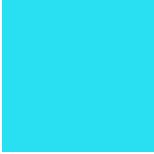
60.1732, 0.2210, 0.3054

Protanopia

58.8604, 0.2925, 0.2978

Deuteranopia

59.1712, 0.2789, 0.2731



Tritanopia

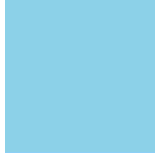
60.1732, 0.2210, 0.3054

Trichromacy



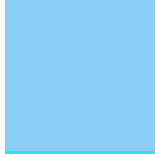
Original Color

60.1732, 0.2210, 0.3054



Protanomaly

57.0026, 0.2536, 0.3000



Deuteranomaly

56.8549, 0.2462, 0.2812



Tritanomaly

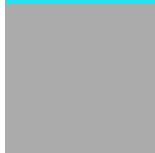
60.1732, 0.2210, 0.3054

Monochromacy



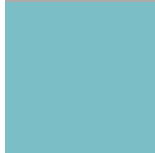
Original Color

60.1732, 0.2210, 0.3054



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

45.0691, 0.2594, 0.3189

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.1732, 0.2210, 0.3054 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(40, 224, 242)` looks like.

```
.text, #text, p{  
    color:rgb(40, 224, 242)  
}
```

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(40, 224, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 224, 242) }
```

Border

The CSS property to change the border of an element to Yxy 60.1732, 0.2210, 0.3054 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(40, 224, 242) }
```

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

```
.border{ border-color:rgb(40, 224, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 224, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 224, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 224, 242);  
box-shadow:4px 4px 4px 4px rgb(40, 224,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 60.1732, 0.2210, 0.3054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 224, 242) }
```

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

```
.background{ background-color: rgb(40, 224,  
242) }
```

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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