

Converting Colors

$Yxy(62.0540, 0.2323, 0.3465)$

Have a look what the booklet for
Yxy(62.0540, 0.2323, 0.3465)
contains.

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Color

Yxy(61.9967, 0.2323, 0.3463)

Conversions

Conversions Part 1

Format	Color
Hex	25E6D9
RGB	37, 230, 217
RGB Percent	15%, 90%, 85%
CMY	0.8548, 0.0980, 0.1489
CMYK	0.84, 0.00, 0.06, 0.10
HSL	176°, 79%, 52%
HSV	176°, 84%, 90%
XYZ	41.5877, 61.9967, 75.4416
YIQ	170.8110, -110.8550, -44.9590

Conversions

Conversions Part 2

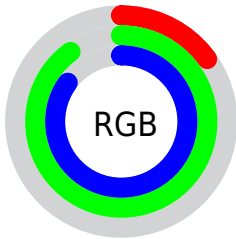
Format	Color
R _Y B	37, 137, 230
Decimal	2483929
CIE Lab	82.91, -46.76, -6.44
CIE LCh	83, 47.197, 187.840
Yxy	61.9967, 0.2323, 0.3463
Android (android.graphics.Color)	4280674009 (0xFF25E6D9)
YUV	170.8110, 22.7712, -117.3522
Hunter-Lab	78.7380, -43.5115, -1.6912

Details

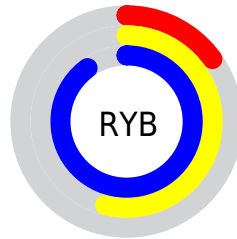
The Yxy color **61.9967, 0.2323, 0.3463** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **18.3784, 0.5939, 0.3223**, and the grayscale version is **40.5568, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8049, 0.2450, 0.3288**, and **32.8807, 0.2306, 0.3501** is the 20% darker color. If you saturate the color by 10%, you get **61.6187, 0.2308, 0.3485**, and if you desaturate by 10%, it is **62.6476, 0.2355, 0.3440**.

Distribution



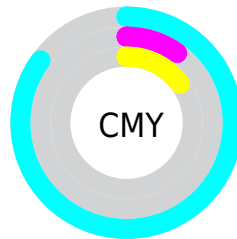
- Red (15%)
- Green (90%)
- Blue (85%)



- Red (15%)
- Yellow (54%)
- Blue (90%)



- Cyan (84%)
- Magenta (0%)
- Yellow (6%)
- Black (10%)




- Cyan (85%)
- Magenta (10%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.9967, 0.2323, 0.3463 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 61.9967, 0.2323, 0.3463 by changing the saturation by 10% instead.


 61.9967, 0.2323,
0.3463


 61.9967, 0.2323,
0.3463


431.9191, 0.2698,
0.3389


 45.0300, 0.2237,
0.3478


 107.7208, 0.2453,
0.3439


 31.4811, 0.2132,
0.3496


 137.2469, 0.2504,
0.3429


 20.9655, 0.1999,
0.3516


 171.7284, 0.2547,
0.3420

 13.0988, 0.1827,
0.3539

 211.5496, 0.2585,
0.3413

 7.4966, 0.1597,
0.3564

 257.0948, 0.2618,
0.3406

 3.7746, 0.1278,
0.3584

308.7486, 0.2648,

 1.5483, 0.0518,

0.3400

366.8952, 0.2674,
0.3394

0.3693

0.3223, 0.0000,
0.2869

0.0000, 0.0000,
0.0000

61.9967, 0.2323,
0.3463

61.9967, 0.2323,
0.3463

61.6187, 0.2308,
0.3485


62.6476, 0.2355,
0.3440


61.4766, 0.2305,
0.3499


63.6080, 0.2407,
0.3418


64.9160, 0.2478,
0.3395

66.6026, 0.2568,
0.3373

 68.6953, 0.2674,
0.3352

 71.2191, 0.2796,
0.3332

 74.1969, 0.2928,
0.3313

 77.6501, 0.3070,
0.3296

 81.5987, 0.3218,
0.3281

Harmonies

Analogous

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



61.9967, 0.2783, 0.4050



61.9967, 0.2323, 0.3463



61.9967, 0.2085, 0.2886

Triad

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



61.9967, 0.2323, 0.3463



61.9967, 0.2804, 0.2423



61.9967, 0.4260, 0.3964

Complementary

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



61.9967, 0.2323, 0.3463



18.3784, 0.5939, 0.3223

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.



61.9967, 0.4295, 0.3515



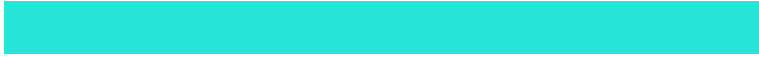
61.9967, 0.2323, 0.3463



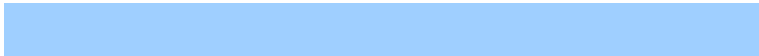
61.9967, 0.3405, 0.2673

Square

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



61.9967, 0.2323, 0.3463



61.9967, 0.2341, 0.2355



61.9967, 0.3973, 0.3059



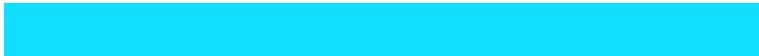
61.9967, 0.3907, 0.4302

Rectangle

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



61.9967, 0.2323, 0.3463



61.9967, 0.2063, 0.2604



61.9967, 0.3973, 0.3059



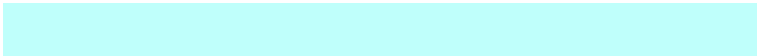
61.9967, 0.4312, 0.3821

Sweetspot

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



61.9990, 0.2323, 0.3463



89.5759, 0.2780, 0.3334



57.4874, 0.3045, 0.5815



18.9233, 0.2736, 0.3341



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.



61.9990, 0.2323, 0.3463



77.6851, 0.2306, 0.3500



27.7912, 0.1953, 0.2097



16.3188, 0.2991, 0.3306



34.8119, 0.2304, 0.3495



2.5775, 0.2295, 0.3463

Inverse Universe

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



18.3784, 0.5939, 0.3223



21.3009, 0.6349, 0.3271



29.7809, 0.5280, 0.3993



14.3836, 0.3282, 0.3275



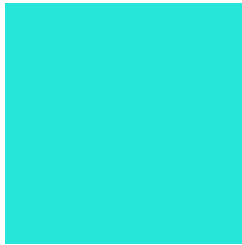
9.5508, 0.6327, 0.3259



0.7113, 0.6129, 0.3150

Previews

White Background



This preview shows how the Yxy color 61.9967, 0.2323, 0.3463 looks on a white background.

Color Contrast Check

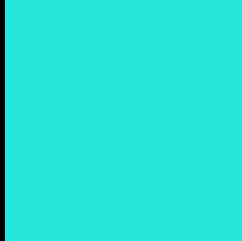
Large Text (above 18pt) WCAG AA × Fail

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 61.9967, 0.2323, 0.3463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

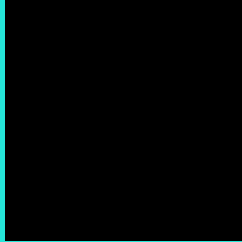
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

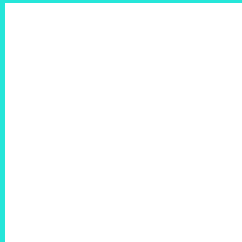
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 61.9967, 0.2323, 0.3463

Background



This preview shows how black text looks on a background with the Yxy color 61.9967, 0.2323, 0.3463.

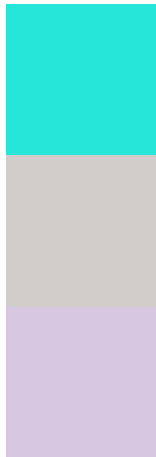


This preview shows how white text looks on a background with the Yxy color 61.9967, 0.2323, 0.3463.

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

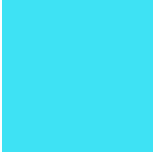
61.9967, 0.2323, 0.3463

Protanopia

61.0053, 0.3180, 0.3313

Deuteranopia

60.8276, 0.3079, 0.3011



Tritanopia

61.9485, 0.2246, 0.3058

Trichromacy



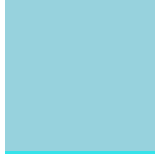
Original Color

61.9967, 0.2323, 0.3463



Protanomaly

58.2045, 0.2713, 0.3366



Deuteranomaly

57.8930, 0.2659, 0.3150



Tritanomaly

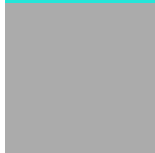
61.6356, 0.2271, 0.3196

Monochromacy



Original Color

61.9967, 0.2323, 0.3463



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

45.4677, 0.2646, 0.3346

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.9967, 0.2323, 0.3463 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(37, 230, 217)` looks like.

```
.text, #text, p{  
  color:rgb(37, 230, 217)  
}
```

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(37, 230, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 230, 217) }
```

Border

The CSS property to change the border of an element to Yxy 61.9967, 0.2323, 0.3463 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(37, 230, 217) }
```

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

```
.border{ border-color:rgb(37, 230, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 230, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 230, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 230, 217);  
box-shadow:4px 4px 4px 4px rgb(37, 230,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 61.9967, 0.2323, 0.3463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 230, 217) }
```

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

```
.background{ background-color: rgb(37, 230,  
217) }
```

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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