

Converting Colors

$Yxy(60.0816, 0.2471, 0.3371)$

Have a look what the booklet for
Yxy(60.0816, 0.2471, 0.3371)
contains.

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Color

Yxy(60.0252, 0.2468, 0.3367)

Conversions

Conversions Part 1

Format	Color
Hex	66DED8
RGB	102, 222, 216
RGB Percent	40%, 87%, 85%
CMY	0.6000, 0.1294, 0.1528
CMYK	0.54, 0.00, 0.03, 0.13
HSL	177°, 65%, 64%
HSV	177°, 54%, 87%
XYZ	43.9983, 60.0252, 74.2515
YIQ	185.4360, -69.5940, -27.3060

Conversions

Conversions Part 2

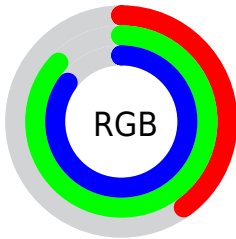
Format	Color
R _{YB}	102, 164, 222
Decimal	6741720
CIE Lab	81.85, -34.99, -7.33
CIE LCh	82, 35.750, 191.831
Yxy	60.0252, 0.2468, 0.3367
Android (android.graphics.Color)	4284931800 (0xFF66DED8)
YUV	185.4360, 15.0681, -73.1734
Hunter-Lab	77.4759, -34.2134, -2.5893

Details

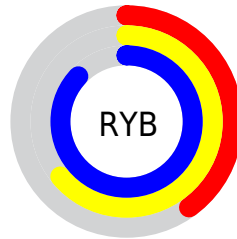
The Yxy color **60.0252, 0.2468, 0.3367** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **26.1157, 0.4643, 0.3227**, and the grayscale version is **48.7173, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4214, 0.2615, 0.3288**, and **30.1069, 0.2309, 0.3378** is the 20% darker color. If you saturate the color by 10%, you get **58.8425, 0.2396, 0.3383**, and if you desaturate by 10%, it is **61.5602, 0.2559, 0.3351**.

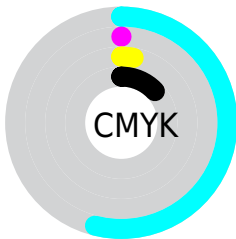
Distribution



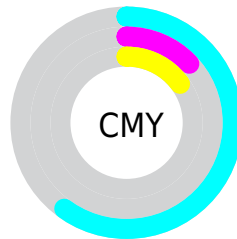
- Red (40%)
- Green (87%)
- Blue (85%)



- Red (40%)
- Yellow (64%)
- Blue (87%)



- Cyan (54%)
- Magenta (0%)
- Yellow (3%)
- Black (13%)





- Cyan (60%)
- Magenta (13%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.0252, 0.2468, 0.3367 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 60.0252, 0.2468, 0.3367 by changing the saturation by 10% instead.

 60.0252, 0.2468,
0.3367


 60.0252, 0.2468,
0.3367


424.6907, 0.2778,
0.3337

 43.4389, 0.2396,
0.3372


 104.8662, 0.2576,
0.3358

 30.2297, 0.2308,
0.3378


 133.8898, 0.2618,
0.3354

 20.0130, 0.2195,
0.3384

 167.8279, 0.2654,
0.3350

 12.4045, 0.2046,
0.3389

207.0650, 0.2685,
0.3347

 7.0198, 0.1845,
0.3390

251.9854, 0.2713,
0.3344

 3.4745, 0.1557,
0.3379

302.9735, 0.2737,

 1.3842, 0.0962,

0.3341

360.4138, 0.2759,
0.3339

0.3388

0.2050, 0.0000,
0.2179

0.0000, 0.0000,
0.0000

60.0252, 0.2468,
0.3367

60.0252, 0.2468,
0.3367

58.8425, 0.2396,
0.3383

61.5602, 0.2559,
0.3351

57.9766, 0.2343,
0.3400


63.4657, 0.2666,
0.3336

57.3971, 0.2310,
0.3417


65.7671, 0.2789,
0.3321

57.0640, 0.2294,
0.3433


68.4853, 0.2923,
0.3307

 56.9438, 0.2290,
0.3443

 71.6400, 0.3067,
0.3295

 75.2496, 0.3217,
0.3283

 78.8720, 0.3352,
0.3273

 78.9321, 0.3345,
0.3262

 78.9925, 0.3337,
0.3251

Harmonies

Analogous

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



60.0252, 0.2814, 0.3808



60.0252, 0.2468, 0.3367



60.0252, 0.2298, 0.2941

Triad

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



60.0252, 0.2468, 0.3367



60.0252, 0.2941, 0.2624



60.0252, 0.3980, 0.3872

Complementary

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



60.0252, 0.2468, 0.3367



26.1157, 0.4643, 0.3227

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.



60.0252, 0.4034, 0.3532



60.0252, 0.2468, 0.3367



60.0252, 0.3408, 0.2842

Square

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



60.0252, 0.2468, 0.3367



60.0252, 0.2555, 0.2553



60.0252, 0.3820, 0.3164



60.0252, 0.3690, 0.4092

Rectangle

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



60.0252, 0.2468, 0.3367



60.0252, 0.2297, 0.2731



60.0252, 0.3820, 0.3164



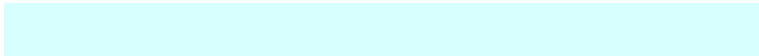
60.0252, 0.4028, 0.3767

Sweetspot

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



60.0275, 0.2468, 0.3367



92.9362, 0.2895, 0.3310



56.3909, 0.3079, 0.5003



19.7220, 0.2866, 0.3313



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.



60.0275, 0.2468, 0.3367



80.3563, 0.2387, 0.3386



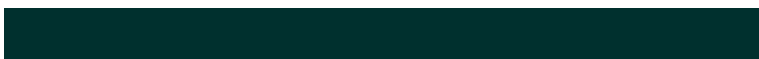
36.1054, 0.2282, 0.2523



15.5600, 0.2989, 0.3301



33.8283, 0.2289, 0.3440



2.3485, 0.2282, 0.3415

Inverse Universe

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



26.1157, 0.4643, 0.3227



29.3188, 0.5169, 0.3224



40.2672, 0.4325, 0.3922



13.7115, 0.3284, 0.3279



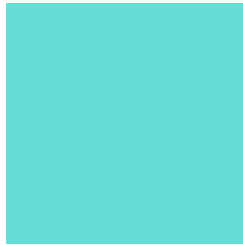
9.2435, 0.6345, 0.3269



0.6447, 0.6188, 0.3182

Previews

White Background



This preview shows how the Yxy color 60.0252, 0.2468, 0.3367 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 60.0252, 0.2468, 0.3367 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

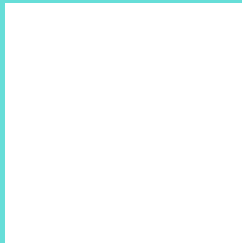
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 60.0252, 0.2468, 0.3367

Background



This preview shows how black text looks on a background with the Yxy color 60.0252, 0.2468, 0.3367.

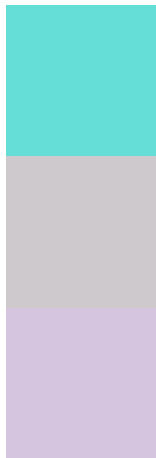


This preview shows how white text looks on a background with the Yxy color 60.0252, 0.2468, 0.3367.

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

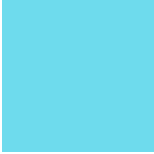
60.0252, 0.2468, 0.3367

Protanopia

59.1121, 0.3137, 0.3255

Deuteranopia

59.3526, 0.3071, 0.3008



Tritanopia

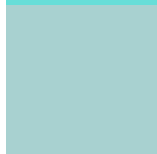
60.0925, 0.2396, 0.3060

Trichromacy



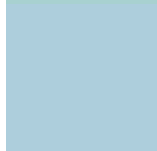
Original Color

60.0252, 0.2468, 0.3367



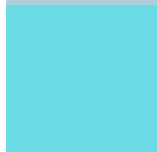
Protanomaly

58.4798, 0.2842, 0.3302



Deuteranomaly

58.1942, 0.2799, 0.3119



Tritanomaly

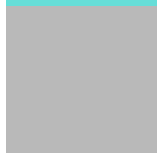
59.9693, 0.2422, 0.3172

Monochromacy



Original Color

60.0252, 0.2468, 0.3367



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

51.3423, 0.2820, 0.3316

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.0252, 0.2468, 0.3367 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(102, 222, 216)` looks like.

```
.text, #text, p{  
    color:rgb(102, 222, 216)  
}
```

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(102, 222, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 222, 216) }
```

Border

The CSS property to change the border of an element to Yxy 60.0252, 0.2468, 0.3367 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(102, 222, 216) }
```

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

```
.border{ border-color:rgb(102, 222, 216) }
```

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

Here you see how a box with a 4 pixel rgb(102, 222, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 222, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 222, 216);  
box-shadow:4px 4px 4px 4px rgb(102, 222,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 60.0252, 0.2468, 0.3367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 222, 216) }
```

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

```
.background{ background-color: rgb(102,  
222, 216) }
```

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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