

Converting Colors

$Yxy(60.0613, 0.2453, 0.3155)$

Have a look what the booklet for
Yxy(60.0613, 0.2453, 0.3155)
contains.

Yxy(60.0332, 0.2457, 0.3160)	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(60.0332, 0.2457, 0.3160)

Conversions

Conversions Part 1

Format	Color
Hex	74DBE5
RGB	116, 219, 229
RGB Percent	45%, 86%, 90%
CMY	0.5451, 0.1412, 0.1019
CMYK	0.49, 0.04, 0.00, 0.10
HSL	185°, 69%, 68%
HSV	185°, 49%, 90%
XYZ	46.6777, 60.0332, 83.2676
YIQ	189.3430, -64.5980, -18.7260

Conversions

Conversions Part 2

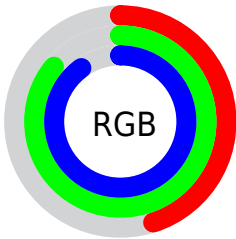
Format	Color
R _{YB}	116, 170, 229
Decimal	7658469
CIE _{Lab}	81.86, -27.31, -14.18
CIE _{LCh}	82, 30.773, 207.433
Y _{xy}	60.0332, 0.2457, 0.3160
Android (android.graphics.Color)	4285848549 (0xFF74DBE5)
YUV	189.3430, 19.5509, -64.3218
Hunter-Lab	77.4811, -28.0564, -9.4812

Details

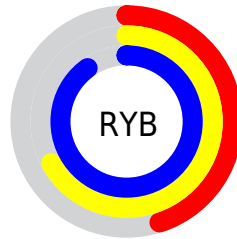
The Yxy color **60.0332, 0.2457, 0.3160** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.8460, 0.4455, 0.3408**, and the grayscale version is **51.0101, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8540, 0.2676, 0.3289**, and **30.3638, 0.2296, 0.3115** is the 20% darker color. If you saturate the color by 10%, you get **57.6025, 0.2362, 0.3130**, and if you desaturate by 10%, it is **62.8682, 0.2569, 0.3189**.

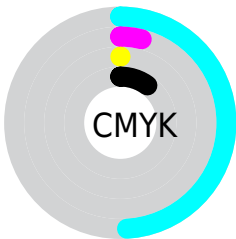
Distribution



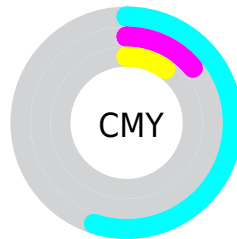
- Red (45%)
- Green (86%)
- Blue (90%)



- Red (45%)
- Yellow (67%)
- Blue (90%)



- Cyan (49%)
- Magenta (4%)
- Yellow (0%)
- Black (10%)





- Cyan (55%)
- Magenta (14%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 60.0332, 0.2457, 0.3160 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 60.0332, 0.2457, 0.3160 by changing the saturation by 10% instead.


 60.0332, 0.2457,
0.3160


 60.0332, 0.2457,
0.3160


424.7201, 0.2770,
0.3230


 43.4454, 0.2385,
0.3141


 104.8778, 0.2566,
0.3186

 30.2347, 0.2296,
0.3117


 133.9034, 0.2608,
0.3196

 20.0168, 0.2184,
0.3084


 167.8438, 0.2645,
0.3204

 12.4073, 0.2038,
0.3036

207.0832, 0.2676,
0.3211

 7.0217, 0.1840,
0.2965

252.0062, 0.2704,
0.3217

 3.4757, 0.1562,
0.2847

302.9971, 0.2729,

 1.3848, 0.1108,

0.3222

0.2642

360.4403, 0.2750,
0.3226

0.2055, 0.0000,
0.1424

0.0000, 0.0000,
0.0000

60.0332, 0.2457,
0.3160

60.0332, 0.2457,
0.3160

57.6025, 0.2362,
0.3130

62.8682, 0.2569,
0.3189

55.5401, 0.2286,
0.3099


66.1267, 0.2696,
0.3218


53.8154, 0.2230,
0.3068

69.8347, 0.2835,
0.3244

52.3892, 0.2192,
0.3038


74.0142, 0.2983,
0.3269


 51.1986, 0.2170,
0.3008

 78.6858, 0.3137,
0.3291

 51.1244, 0.2168,
0.3006

 83.8687, 0.3295,
0.3312

 85.3133, 0.3303,
0.3332

 86.4702, 0.3301,
0.3352

 87.6404, 0.3299,
0.3372

Harmonies

Analogous

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



60.0332, 0.2686, 0.3546



60.0332, 0.2457, 0.3160



60.0332, 0.2398, 0.2845

Triad

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



60.0332, 0.2457, 0.3160



60.0332, 0.3176, 0.2794



60.0332, 0.3756, 0.3913

Complementary

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



60.0332, 0.2457, 0.3160



32.8460, 0.4455, 0.3408

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.



60.0332, 0.3913, 0.3667



60.0332, 0.2457, 0.3160



60.0332, 0.3568, 0.3040

Square

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



60.0332, 0.2457, 0.3160



60.0332, 0.2793, 0.2661



60.0332, 0.3845, 0.3351



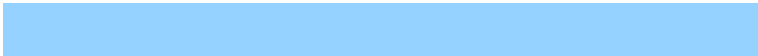
60.0332, 0.3433, 0.4002

Rectangle

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



60.0332, 0.2457, 0.3160



60.0332, 0.2458, 0.2713



60.0332, 0.3845, 0.3351



60.0332, 0.3831, 0.3844

Sweetspot

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



60.0355, 0.2457, 0.3160



91.3101, 0.2897, 0.3255



61.2521, 0.3008, 0.4729



19.3071, 0.2866, 0.3250



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.



60.0355, 0.2457, 0.3160



73.5039, 0.2362, 0.3130



35.5966, 0.2309, 0.2385



16.1065, 0.2982, 0.3269



29.3169, 0.2170, 0.3011



2.2308, 0.2182, 0.3055

Inverse Universe

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



34.2654, 0.3280, 0.2189



37.6627, 0.3316, 0.2007



51.3469, 0.4102, 0.4036



14.5920, 0.3151, 0.3079



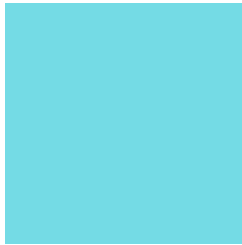
12.1573, 0.3445, 0.1671



0.9049, 0.3406, 0.1650

Previews

White Background



This preview shows how the Yxy color 60.0332, 0.2457, 0.3160 looks on a white background.

Color Contrast Check

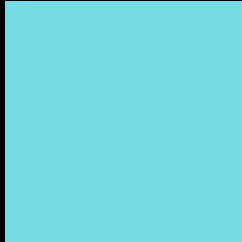
Large Text (above 18pt) WCAG AA × Fail

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 60.0332, 0.2457, 0.3160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

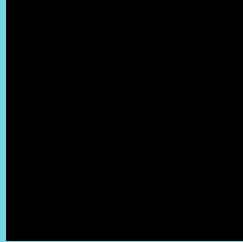
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.0332, 0.2457, 0.3160

Background



This preview shows how black text looks on a background with the Yxy color 60.0332, 0.2457, 0.3160.

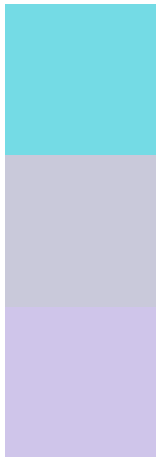


This preview shows how white text looks on a background with the Yxy color 60.0332, 0.2457, 0.3160.

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

60.0332, 0.2457, 0.3160

Protanopia

59.2528, 0.3008, 0.3092

Deuteranopia

59.1384, 0.2943, 0.2874



Tritanopia

60.0505, 0.2431, 0.3061

Trichromacy



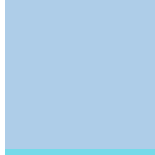
Original Color

60.0332, 0.2457, 0.3160



Protanomaly

58.9317, 0.2769, 0.3118



Deuteranomaly

58.4875, 0.2732, 0.2967



Tritanomaly

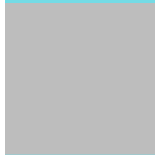
59.8079, 0.2440, 0.3098

Monochromacy



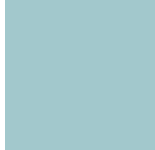
Original Color

60.0332, 0.2457, 0.3160



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

53.3496, 0.2819, 0.3238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.0332, 0.2457, 0.3160 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(116, 219, 229)` looks like.

```
.text, #text, p{  
    color:rgb(116, 219, 229)  
}
```

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(116, 219, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 219, 229) }
```

Border

The CSS property to change the border of an element to Yxy 60.0332, 0.2457, 0.3160 is called "border". The border property can be set on classes, ids or directly on the HTML element.

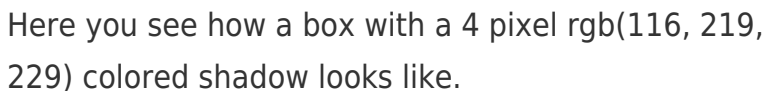
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 219, 229) }
```

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

```
.border{ border-color:rgb(116, 219, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 219, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 219, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 219, 229); box-shadow:4px 4px 4px 4px rgb(116, 219, 229) }
```


Background

The CSS property to change the background color of an element to Yxy 60.0332, 0.2457, 0.3160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 219, 229) }
```

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

```
.background{ background-color: rgb(116,  
219, 229) }
```

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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