

Converting Colors

$Yxy(60.2982, 0.2415, 0.3199)$

Have a look what the booklet for
Yxy(60.2982, 0.2415, 0.3199)
contains.

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Color

Yxy(60.1979, 0.2414, 0.3197)

Conversions

Conversions Part 1

Format	Color
Hex	67DDE4
RGB	103, 221, 228
RGB Percent	40%, 87%, 89%
CMY	0.5962, 0.1333, 0.1058
CMYK	0.55, 0.03, 0.00, 0.11
HSL	183°, 70%, 65%
HSV	183°, 55%, 89%
XYZ	45.4544, 60.1979, 82.6427
YIQ	186.5160, -72.5750, -22.8390

Conversions

Conversions Part 2

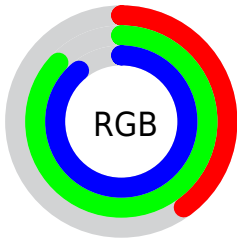
Format	Color
RYB	103, 164, 228
Decimal	6807012
CIELab	81.95, -31.17, -13.56
CIElCh	82, 33.998, 203.515
Yxy	60.1979, 0.2414, 0.3197
Android (android.graphics.Color)	4284997092 (0xFF67DDE4)
YUV	186.5160, 20.4516, -73.2435
Hunter-Lab	77.5873, -31.2038, -8.8420

Details

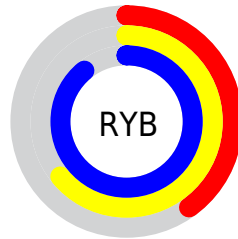
The Yxy color **60.1979, 0.2414, 0.3197** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **28.6307, 0.4715, 0.3372**, and the grayscale version is **49.3199, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6325, 0.2624, 0.3289**, and **30.1743, 0.2240, 0.3147** is the 20% darker color. If you saturate the color by 10%, you get **58.3570, 0.2334, 0.3178**, and if you desaturate by 10%, it is **62.4161, 0.2513, 0.3216**.

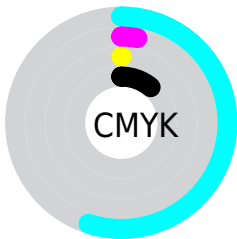
Distribution



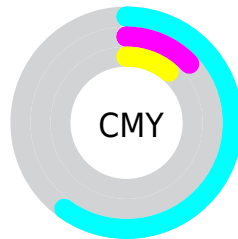
- Red (40%)
- Green (87%)
- Blue (89%)



- Red (40%)
- Yellow (64%)
- Blue (89%)



- Cyan (55%)
- Magenta (3%)
- Yellow (0%)
- Black (11%)





- Cyan (60%)
- Magenta (13%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.1979, 0.2414, 0.3197 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 60.1979, 0.2414, 0.3197 by changing the saturation by 10% instead.


 60.1979, 0.2414,
0.3197


 60.1979, 0.2414,
0.3197


425.3268, 0.2747,
0.3251


 43.5782, 0.2338,
0.3182


 105.1167, 0.2530,
0.3218

 30.3390, 0.2244,
0.3162


 134.1845, 0.2574,
0.3225

 20.0961, 0.2125,
0.3134


 168.1706, 0.2613,
0.3231

 12.4649, 0.1971,
0.3094

207.4591, 0.2647,
0.3237

 7.0611, 0.1764,
0.3031

252.4346, 0.2676,
0.3241

 3.5004, 0.1474,
0.2924

303.4815, 0.2702,

 1.3982, 0.0973,

0.3245

0.2742

360.9841, 0.2726,
0.3248

0.2154, 0.0000,
0.1522

0.0000, 0.0000,
0.0000

60.1979, 0.2414,
0.3197

60.1979, 0.2414,
0.3197

58.3570, 0.2334,
0.3178

62.4161, 0.2513,
0.3216

56.8559, 0.2272,
0.3159


65.0319, 0.2629,
0.3234


55.6612, 0.2230,
0.3140

68.0724, 0.2759,
0.3251


54.7293, 0.2206,
0.3121


71.5602, 0.2901,
0.3268

 54.3149, 0.2198,
0.3112

 75.5162, 0.3052,
0.3283

 79.9603, 0.3208,
0.3297

 83.4409, 0.3314,
0.3310

 84.1565, 0.3312,
0.3322

 84.8773, 0.3311,
0.3335

Harmonies

Analogous

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



60.1979, 0.2685, 0.3628



60.1979, 0.2414, 0.3197



60.1979, 0.2325, 0.2834

Triad

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



60.1979, 0.2414, 0.3197



60.1979, 0.3121, 0.2720



60.1979, 0.3854, 0.3946

Complementary

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



60.1979, 0.2414, 0.3197



28.6307, 0.4715, 0.3372

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.



60.1979, 0.3999, 0.3657



60.1979, 0.2414, 0.3197



60.1979, 0.3561, 0.2974

Square

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



60.1979, 0.2414, 0.3197



60.1979, 0.2711, 0.2594



60.1979, 0.3892, 0.3307



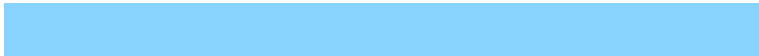
60.1979, 0.3514, 0.4078

Rectangle

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



60.1979, 0.2414, 0.3197



60.1979, 0.2374, 0.2677



60.1979, 0.3892, 0.3307



60.1979, 0.3928, 0.3862

Sweetspot

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



60.2002, 0.2414, 0.3197



91.6124, 0.2883, 0.3266



59.4944, 0.3017, 0.4969



19.4025, 0.2853, 0.3263



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.



60.2002, 0.2414, 0.3197



74.8665, 0.2323, 0.3175



33.3685, 0.2232, 0.2324



16.1903, 0.2982, 0.3276



31.4141, 0.2199, 0.3114



2.3640, 0.2206, 0.3142

Inverse Universe

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



31.4159, 0.3258, 0.2051



34.6538, 0.3287, 0.1862



46.8903, 0.4262, 0.4066



14.6005, 0.3146, 0.3071



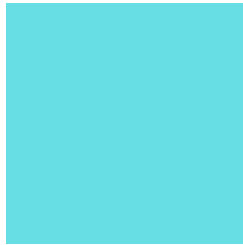
12.3690, 0.3355, 0.1622



0.9183, 0.3331, 0.1609

Previews

White Background



This preview shows how the Yxy color 60.1979, 0.2414, 0.3197 looks on a white background.

Color Contrast Check

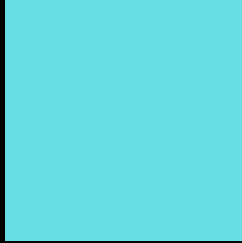
Large Text (above 18pt) WCAG AA × Fail

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 60.1979, 0.2414, 0.3197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

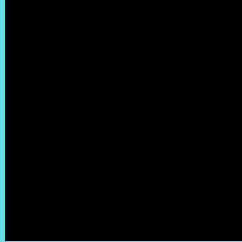
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.1979, 0.2414, 0.3197

Background



This preview shows how black text looks on a background with the Yxy color 60.1979, 0.2414, 0.3197.

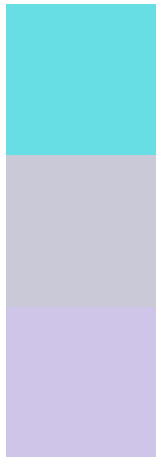


This preview shows how white text looks on a background with the Yxy color 60.1979, 0.2414, 0.3197.

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

60.1979, 0.2414, 0.3197

Protanopia

59.2877, 0.3029, 0.3116

Deuteranopia

59.0811, 0.2950, 0.2885



Tritanopia

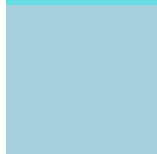
60.4266, 0.2387, 0.3072

Trichromacy



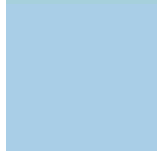
Original Color

60.1979, 0.2414, 0.3197



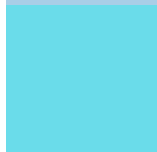
Protanomaly

58.3860, 0.2755, 0.3141



Deuteranomaly

58.3472, 0.2707, 0.2988



Tritanomaly

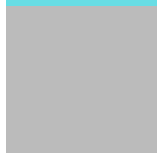
60.1911, 0.2396, 0.3109

Monochromacy



Original Color

60.1979, 0.2414, 0.3197



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

52.1790, 0.2790, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.1979, 0.2414, 0.3197 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(103, 221, 228)` looks like.

```
.text, #text, p{  
    color:rgb(103, 221, 228)  
}
```

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(103, 221, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 221, 228) }
```

Border

The CSS property to change the border of an element to Yxy 60.1979, 0.2414, 0.3197 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(103, 221, 228) }
```

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

```
.border{ border-color:rgb(103, 221, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 221, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 221, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 221, 228); box-shadow:4px 4px 4px 4px rgb(103, 221, 228) }
```


Background

The CSS property to change the background color of an element to Yxy 60.1979, 0.2414, 0.3197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 221, 228) }
```

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

```
.background{ background-color: rgb(103,  
221, 228) }
```

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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