

Converting Colors

$Y_{xy}(63.3230, 0.2185, 0.3065)$

Have a look what the booklet for
Yxy(63.3230, 0.2185, 0.3065)
contains.

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Color

Yxy(63.3155, 0.2187, 0.3070)

Conversions

Conversions Part 1

Format	Color
Hex	02E6F7
RGB	2, 230, 247
RGB Percent	1%, 90%, 97%
CMY	0.9917, 0.0981, 0.0315
CMYK	0.99, 0.07, 0.00, 0.03
HSL	184°, 98%, 49%
HSV	184°, 99%, 97%
XYZ	45.1046, 63.3155, 97.8194
YIQ	163.7660, -141.3450, -43.0490

Conversions

Conversions Part 2

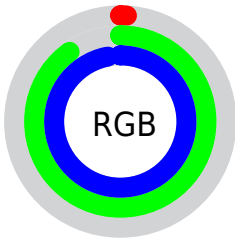
Format	Color
RYB	2, 120, 247
Decimal	190199
CIELab	83.61, -39.35, -21.24
CIELCh	84, 44.715, 208.367
Yxy	63.3155, 0.2187, 0.3070
Android (android.graphics.Color)	4278380279 (0xFF02E6F7)
YUV	163.7660, 41.0344, -141.8688
Hunter-Lab	79.5710, -38.0672, -17.1875

Details

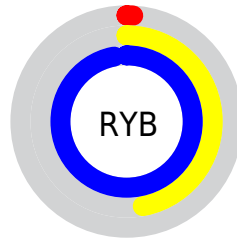
The Yxy color **63.3155, 0.2187, 0.3070** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light saturated cyan. A complement of this color would be **20.2440, 0.6351, 0.3331**, and the grayscale version is **36.8747, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5219, 0.2436, 0.3288**, and **34.0337, 0.2169, 0.3008** is the 20% darker color. If you saturate the color by 10%, you get **63.2221, 0.2186, 0.3068**, and if you desaturate by 10%, it is **64.4928, 0.2207, 0.3093**.

Distribution



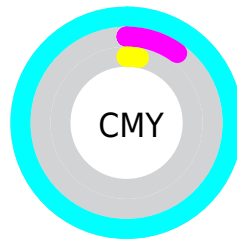
- Red (1%)
- Green (90%)
- Blue (97%)



- Red (1%)
- Yellow (47%)
- Blue (97%)



- Cyan (99%)
- Magenta (7%)
- Yellow (0%)
- Black (3%)





- Cyan (99%)
- Magenta (10%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.3155, 0.2187, 0.3070 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 63.3155, 0.2187, 0.3070 by changing the saturation by 10% instead.


 63.3155, 0.2187,
0.3070

 63.3155, 0.2187,
0.3070


436.7136, 0.2615,
0.3190

 46.0965, 0.2092,
0.3038


 109.6246, 0.2333,
0.3115


 32.3220, 0.1977,
0.2997


 139.4834, 0.2391,
0.3132


 21.6075, 0.1834,
0.2942


 174.3243, 0.2441,
0.3145

 13.5688, 0.1654,
0.2865

 214.5317, 0.2484,
0.3157

 7.8214, 0.1421,
0.2751

 260.4899, 0.2523,
0.3167

 3.9809, 0.1114,
0.2573

312.5833, 0.2557,

 1.6629, 0.0648,

0.3176

0.2285

371.1964, 0.2587,
0.3183

■ 0.3994, 0.0000,
0.1496

■ 0.0000, 0.0000,
0.0000

■ 63.3155, 0.2187,
0.3070

■ 63.3155, 0.2187,
0.3070

■ 63.2221, 0.2186,
0.3068

■ 64.4928, 0.2207,
0.3093

■ 65.9472, 0.2242,
0.3117

■ 67.7522, 0.2296,
0.3141

■ 69.9550, 0.2370,
0.3165

■ 72.5953, 0.2462,
0.3188

■ 75.7080, 0.2573,
0.3211

■ 79.3243, 0.2699,
0.3233

■ 83.4727, 0.2838,
0.3254

■ 88.1797, 0.2986,
0.3274

Harmonies

Analogous

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



63.3155, 0.2487, 0.3639



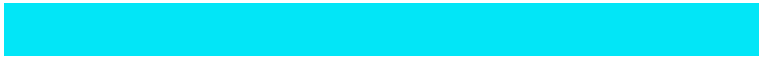
63.3155, 0.2187, 0.3070



63.3155, 0.2120, 0.2640

Triad

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



63.3155, 0.2187, 0.3070



63.3155, 0.3206, 0.2614



63.3155, 0.3996, 0.4167

Complementary

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



63.3155, 0.2187, 0.3070



20.2440, 0.6351, 0.3331

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.



63.3155, 0.4242, 0.3805



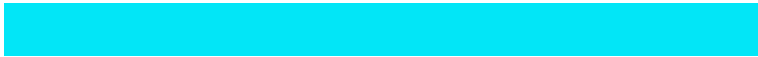
63.3155, 0.2187, 0.3070



63.3155, 0.3771, 0.2948

Square

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



63.3155, 0.2187, 0.3070



63.3155, 0.2666, 0.2427



63.3155, 0.4164, 0.3368



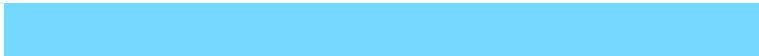
63.3155, 0.3526, 0.4320

Rectangle

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



63.3155, 0.2187, 0.3070



63.3155, 0.2205, 0.2473



63.3155, 0.4164, 0.3368



63.3155, 0.4109, 0.4062

Sweetspot

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



63.3178, 0.2187, 0.3070



84.9254, 0.2687, 0.3231



66.5661, 0.2991, 0.5963



17.8161, 0.2632, 0.3222



0.0000, 0.0000, 0.0000



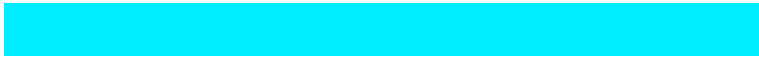
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.3178, 0.2187, 0.3070



67.9699, 0.2186, 0.3068



17.5009, 0.1709, 0.1347



18.5494, 0.2981, 0.3273



33.5303, 0.2187, 0.3072



3.0050, 0.2195, 0.3101

Inverse Universe

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



25.5289, 0.3393, 0.1645



27.3928, 0.3395, 0.1644



38.7873, 0.5221, 0.4231



16.7473, 0.3149, 0.3073



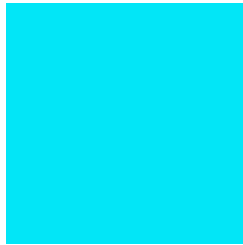
13.4843, 0.3391, 0.1642



1.1910, 0.3366, 0.1628

Previews

White Background



This preview shows how the Yxy color 63.3155, 0.2187, 0.3070 looks on a white background.

Color Contrast Check

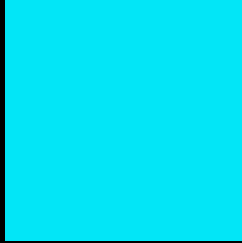
Large Text (above 18pt) WCAG AA × Fail

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 63.3155, 0.2187, 0.3070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

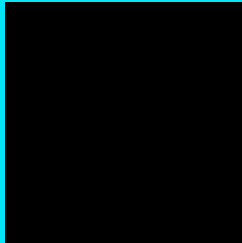
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.3155, 0.2187, 0.3070

Background



This preview shows how black text looks on a background with the Yxy color 63.3155, 0.2187, 0.3070.



This preview shows how white text looks on a background with the Yxy color 63.3155, 0.2187, 0.3070.

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

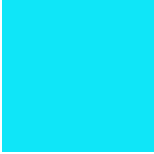
63.3219, 0.2187, 0.3070

Protanopia

62.1287, 0.2936, 0.2996

Deuteranopia

62.0294, 0.2796, 0.2732



Tritanopia

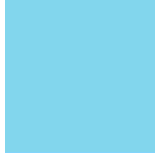
63.4725, 0.2189, 0.3058

Trichromacy



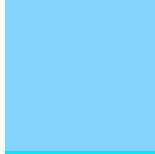
Original Color

63.3219, 0.2187, 0.3070



Protanomaly

58.9534, 0.2471, 0.3001



Deuteranomaly

58.7978, 0.2401, 0.2814



Tritanomaly

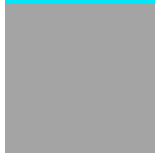
63.4355, 0.2187, 0.3058

Monochromacy



Original Color

63.3219, 0.2187, 0.3070



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

42.8647, 0.2504, 0.3200

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.3155, 0.2187, 0.3070 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(2, 230, 247)` looks like.

```
.text, #text, p{  
    color:rgb(2, 230, 247)  
}
```

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(2, 230, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 230, 247) }
```

Border

The CSS property to change the border of an element to Yxy 63.3155, 0.2187, 0.3070 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(2, 230, 247) }
```

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

```
.border{ border-color:rgb(2, 230, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 230, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 230, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 230, 247);  
box-shadow:4px 4px 4px 4px rgb(2, 230,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 63.3155, 0.2187, 0.3070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 230, 247) }
```

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

```
.background{ background-color: rgb(2, 230,  
247) }
```

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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