

Converting Colors

$Yxy(61.7187, 0.2343, 0.3001)$

Have a look what the booklet for
Yxy(61.7187, 0.2343, 0.3001)
contains.

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Color

Yxy(61.7187, 0.2343, 0.3001)

Conversions

Conversions Part 1

Format	Color
Hex	67DEF5
RGB	103, 222, 245
RGB Percent	40%, 87%, 96%
CMY	0.5965, 0.1293, 0.0392
CMYK	0.58, 0.09, 0.00, 0.04
HSL	190°, 88%, 68%
HSV	190°, 58%, 96%
XYZ	48.1862, 61.7187, 95.7555
YIQ	189.0410, -78.3070, -18.0750

Conversions

Conversions Part 2

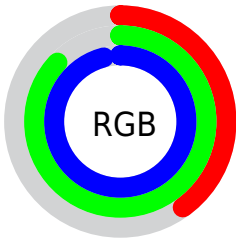
Format	Color
RYB	103, 168, 245
Decimal	6807285
CIELab	82.76, -27.02, -21.33
CIELCh	83, 34.426, 218.294
Yxy	61.7187, 0.2343, 0.3001
Android (android.graphics.Color)	4284997365 (0xFF67DEF5)
YUV	189.0410, 27.5878, -75.4580
Hunter-Lab	78.5612, -27.9976, -17.2736

Details

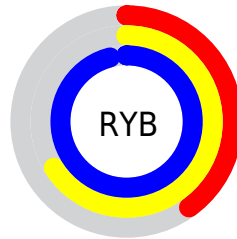
The Yxy color **61.7187, 0.2343, 0.3001** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **35.2794, 0.4758, 0.3530**, and the grayscale version is **50.7729, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7393, 0.2628, 0.3289**, and **31.4710, 0.2163, 0.2920** is the 20% darker color. If you saturate the color by 10%, you get **58.3998, 0.2255, 0.2943**, and if you desaturate by 10%, it is **65.5158, 0.2449, 0.3058**.

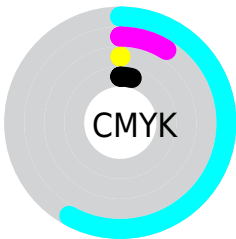
Distribution



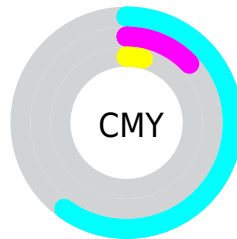
- Red (40%)
- Green (87%)
- Blue (96%)



- Red (40%)
- Yellow (66%)
- Blue (96%)



- Cyan (58%)
- Magenta (9%)
- Yellow (0%)
- Black (4%)





- Cyan (60%)
- Magenta (13%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.7187, 0.2343, 0.3001 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 61.7187, 0.2343, 0.3001 by changing the saturation by 10% instead.

 61.7187, 0.2343,
0.3001

 61.7187, 0.2343,
0.3001


430.9043, 0.2704,
0.3148


 44.8054, 0.2262,
0.2964


 107.3189, 0.2468,
0.3055

 31.3042, 0.2162,
0.2917


 136.7746, 0.2516,
0.3075

 20.8306, 0.2037,
0.2855


 171.1799, 0.2558,
0.3092

 13.0002, 0.1877,
0.2771


210.9192, 0.2595,
0.3106

 7.4287, 0.1666,
0.2649

256.3769, 0.2627,
0.3119

 3.7316, 0.1379,
0.2463

307.9374, 0.2656,

 1.5246, 0.0967,

0.3130

0.2158

365.9850, 0.2681,
0.3140

0.3059, 0.0000,
0.1269

0.0000, 0.0000,
0.0000

61.7187, 0.2343,
0.3001

61.7187, 0.2343,
0.3001

58.3998, 0.2255,
0.2943

65.5158, 0.2449,
0.3058

55.5136, 0.2186,
0.2884


69.8182, 0.2572,
0.3112

53.0168, 0.2136,
0.2826

74.6588, 0.2707,
0.3164


50.8475, 0.2105,
0.2769


80.0656, 0.2852,
0.3212

 50.4350, 0.2099,
0.2757

 86.0646, 0.3003,
0.3257

 92.6800, 0.3158,
0.3298

 96.0688, 0.3189,
0.3336

 98.5538, 0.3186,
0.3374

 99.3724, 0.3185,
0.3386

Harmonies

Analogous

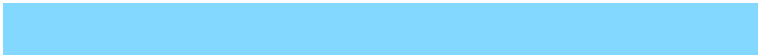
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



61.7187, 0.2528, 0.3417



61.7187, 0.2343, 0.3001



61.7187, 0.2350, 0.2708

Triad

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



61.7187, 0.2343, 0.3001



61.7187, 0.3343, 0.2830



61.7187, 0.3708, 0.4040

Complementary

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



61.7187, 0.2343, 0.3001



35.2794, 0.4758, 0.3530

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.



61.7187, 0.3961, 0.3814



61.7187, 0.2343, 0.3001



61.7187, 0.3749, 0.3131

Square

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



61.7187, 0.2343, 0.3001



61.7187, 0.2901, 0.2635



61.7187, 0.3981, 0.3482



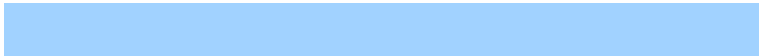
61.7187, 0.3307, 0.4060

Rectangle

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



61.7187, 0.2343, 0.3001



61.7187, 0.2461, 0.2608



61.7187, 0.3981, 0.3482



61.7187, 0.3813, 0.3983

Sweetspot

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



61.7210, 0.2343, 0.3001



88.2934, 0.2866, 0.3217



69.6408, 0.2952, 0.4908



18.6296, 0.2836, 0.3208



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.



61.7210, 0.2343, 0.3001



63.2422, 0.2238, 0.2930



32.1319, 0.2136, 0.2055



18.2747, 0.2980, 0.3251



27.3439, 0.2102, 0.2766



2.5226, 0.2122, 0.2839

Inverse Universe

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



34.3666, 0.3419, 0.2110



31.9963, 0.3496, 0.1942



59.5366, 0.4251, 0.4242



16.7196, 0.3163, 0.3094



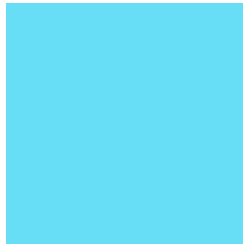
12.8598, 0.3666, 0.1793



1.1423, 0.3599, 0.1756

Previews

White Background



This preview shows how the Yxy color 61.7187, 0.2343, 0.3001 looks on a white background.

Color Contrast Check

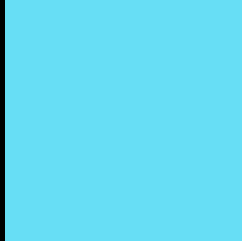
Large Text (above 18pt) WCAG AA × Fail

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 61.7187, 0.2343, 0.3001 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 61.7187, 0.2343, 0.3001

Background



This preview shows how black text looks on a background with the Yxy color 61.7187, 0.2343, 0.3001.



This preview shows how white text looks on a background with the Yxy color 61.7187, 0.2343, 0.3001.

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

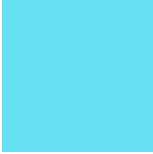
61.7187, 0.2343, 0.3001

Protanopia

60.8174, 0.2907, 0.2960

Deuteranopia

60.7672, 0.2806, 0.2738



Tritanopia

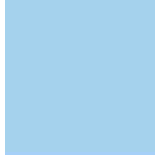
61.8929, 0.2356, 0.3061

Trichromacy



Original Color

61.7187, 0.2343, 0.3001



Protanomaly

60.2069, 0.2653, 0.2966



Deuteranomaly

59.9961, 0.2596, 0.2821



Tritanomaly

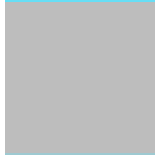
62.0109, 0.2355, 0.3049

Monochromacy



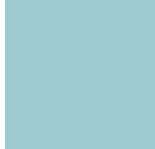
Original Color

61.7187, 0.2343, 0.3001



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

53.6458, 0.2762, 0.3186

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.7187, 0.2343, 0.3001 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, 222, 245)` looks like.

```
.text, #text, p{  
    color:rgb(103, 222, 245)  
}
```

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, 222, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 222, 245) }
```

Border

The CSS property to change the border of an element to Yxy 61.7187, 0.2343, 0.3001 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, 222, 245) }
```

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

```
.border{ border-color:rgb(103, 222, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 222, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 222, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 222, 245);  
box-shadow:4px 4px 4px 4px rgb(103, 222,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 61.7187, 0.2343, 0.3001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 222, 245) }
```

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

```
.background{ background-color: rgb(103,  
222, 245) }
```

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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