

Converting Colors

$Yxy(40.9267, 0.2168, 0.2637)$

Have a look what the booklet for
Yxy(40.9267, 0.2168, 0.2637)
contains.

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Color

Yxy(40.8454, 0.2165, 0.2627)

Conversions

Conversions Part 1

Format	Color
Hex	45B7E6
RGB	69, 183, 230
RGB Percent	27%, 72%, 90%
CMY	0.7300, 0.2823, 0.0980
CMYK	0.70, 0.20, 0.00, 0.10
HSL	197°, 76%, 59%
HSV	197°, 70%, 90%
XYZ	33.6621, 40.8454, 80.9756
YIQ	154.2720, -83.0310, -9.5510

Conversions

Conversions Part 2

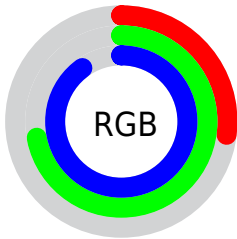
Format	Color
R _{YB}	69, 136, 230
Decimal	4569062
CIE Lab	70.07, -17.22, -32.81
CIE LCh	70, 37.055, 242.301
Yxy	40.8454, 0.2165, 0.2627
Android (android.graphics.Color)	4282759142 (0xFF45B7E6)
YUV	154.2720, 37.3339, -74.7835
Hunter-Lab	63.9104, -17.8259, -30.3842

Details

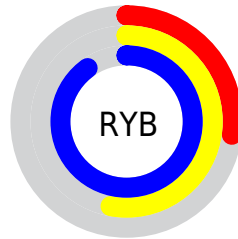
The Yxy color **40.8454, 0.2165, 0.2627** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **29.7023, 0.5063, 0.3766**, and the grayscale version is **32.2831, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.1039, 0.2467, 0.3103**, and **19.0213, 0.2015, 0.2453** is the 20% darker color. If you saturate the color by 10%, you get **37.4635, 0.2081, 0.2516**, and if you desaturate by 10%, it is **44.6875, 0.2268, 0.2737**.

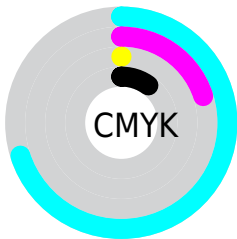
Distribution



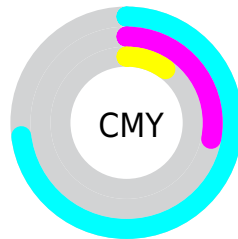
- Red (27%)
- Green (72%)
- Blue (90%)



- Red (27%)
- Yellow (53%)
- Blue (90%)



- Cyan (70%)
- Magenta (20%)
- Yellow (0%)
- Black (10%)



- Cyan (73%)
- Magenta (28%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.8454, 0.2165, 0.2627 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 40.8454, 0.2165, 0.2627 by changing the saturation by 10% instead.

40.8454, 0.2165,
0.2627

40.8454, 0.2165,
0.2627

349.6741, 0.2634,
0.2969

28.1983, 0.2054,
0.2541

76.4492, 0.2331,
0.2752

18.4752, 0.1916,
0.2430

100.1746, 0.2395,
0.2799

11.2917, 0.1739,
0.2284

128.3616, 0.2449,
0.2839

6.2634, 0.1509,
0.2085

161.3946, 0.2496,
0.2872

3.0059, 0.1204,
0.1802

199.6579, 0.2537,
0.2901

1.1348, 0.0782,
0.1389

243.5360, 0.2573,

0.0075, 0.0000,

0.2927

0.0025

293.4133, 0.2605,
0.2949

■ 0.0000, 0.0000,
0.0000

■ 40.8454, 0.2165,
0.2627

■ 40.8454, 0.2165,
0.2627

■ 37.4635, 0.2081,
0.2516

■ 44.6875, 0.2268,
0.2737

■ 34.4955, 0.2017,
0.2405

■ 49.0210, 0.2389,
0.2844

■ 31.8892, 0.1971,
0.2297

■ 53.8785, 0.2523,
0.2947

■ 59.2883, 0.2667,
0.3043

■ 65.2761, 0.2818,
0.3133

■ 71.8660, 0.2972,
0.3215

■ 79.0803, 0.3126,
0.3290

■ 86.9401, 0.3278,
0.3356

■ 91.2957, 0.3286,
0.3421

Harmonies

Analogous

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



40.8454, 0.2201, 0.3017



40.8454, 0.2165, 0.2627



40.8454, 0.2354, 0.2447

Triad

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



40.8454, 0.2165, 0.2627



40.8454, 0.3808, 0.3011



40.8454, 0.3444, 0.4272

Complementary

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



40.8454, 0.2165, 0.2627



29.7023, 0.5063, 0.3766

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.



40.8454, 0.3914, 0.4168



40.8454, 0.2165, 0.2627



40.8454, 0.4150, 0.3424

Square

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



40.8454, 0.2165, 0.2627



40.8454, 0.3278, 0.2674



40.8454, 0.4183, 0.3841



40.8454, 0.2912, 0.4045

Rectangle

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



40.8454, 0.2165, 0.2627



40.8454, 0.2596, 0.2443



40.8454, 0.4183, 0.3841



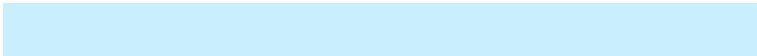
40.8454, 0.3615, 0.4271

Sweetspot

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



40.8468, 0.2165, 0.2627



81.6602, 0.2802, 0.3124



59.0821, 0.2851, 0.4982



17.0175, 0.2759, 0.3099



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.



40.8468, 0.2165, 0.2627



45.6288, 0.2050, 0.2467



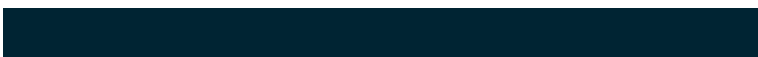
16.8247, 0.1875, 0.1457



15.5893, 0.2981, 0.3220



18.2738, 0.1976, 0.2314



1.5087, 0.2021, 0.2474

Inverse Universe

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



24.4798, 0.3764, 0.2128



26.6623, 0.3943, 0.2037



56.3201, 0.4320, 0.4570



14.5398, 0.3182, 0.3125



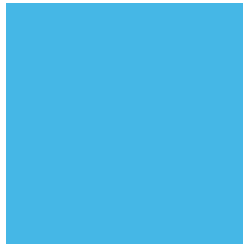
11.0425, 0.4112, 0.2039



0.8320, 0.3949, 0.1949

Previews

White Background



This preview shows how the Yxy color 40.8454, 0.2165, 0.2627 looks on a white background.

Color Contrast Check

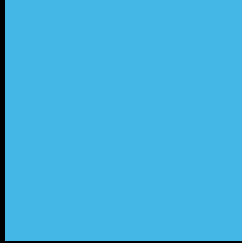
Large Text (above 18pt) WCAG AA × Fail

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 40.8454, 0.2165, 0.2627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

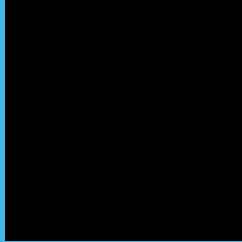
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

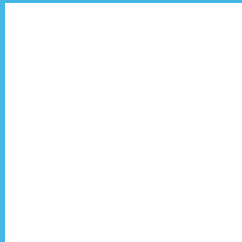
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.8454, 0.2165, 0.2627

Background



This preview shows how black text looks on a background with the Yxy color 40.8454, 0.2165, 0.2627.

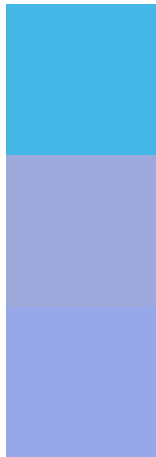


This preview shows how white text looks on a background with the Yxy color 40.8454, 0.2165, 0.2627.

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

40.8454, 0.2165, 0.2627

Protanopia

40.2878, 0.2649, 0.2622

Deuteranopia

40.3725, 0.2512, 0.2456



Tritanopia

40.9563, 0.2247, 0.3060

Trichromacy



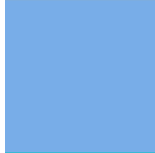
Original Color

40.8454, 0.2165, 0.2627



Protanomaly

39.5748, 0.2419, 0.2607



Deuteranomaly

39.7064, 0.2343, 0.2497



Tritanomaly

40.7918, 0.2213, 0.2888

Monochromacy



Original Color

40.8454, 0.2165, 0.2627



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

34.4986, 0.2640, 0.3029

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8454, 0.2165, 0.2627 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(69, 183, 230)` looks like.

```
.text, #text, p{  
    color:rgb(69, 183, 230)  
}
```

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(69, 183, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 183, 230) }
```

Border

The CSS property to change the border of an element to Yxy 40.8454, 0.2165, 0.2627 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(69, 183, 230) }
```

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

```
.border{ border-color:rgb(69, 183, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 183, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 183, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 183, 230);  
box-shadow:4px 4px 4px 4px rgb(69, 183,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8454, 0.2165, 0.2627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 183, 230) }
```

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

```
.background{ background-color: rgb(69, 183,  
230) }
```

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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