

Converting Colors

Yxy(57.4962, 0.2418, 0.2996)

Have a look what the booklet for
Yxy(57.4962, 0.2418, 0.2996)
contains.

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Color

Yxy(57.4962, 0.2418, 0.2996)

Conversions

Conversions Part 1

Format	Color
Hex	76D5EC
RGB	118, 213, 236
RGB Percent	46%, 84%, 93%
CMY	0.5373, 0.1647, 0.0745
CMYK	0.50, 0.10, 0.00, 0.07
HSL	192°, 76%, 69%
HSV	192°, 50%, 93%
XYZ	46.4038, 57.4962, 88.0099
YIQ	187.2170, -64.0030, -12.9870

Conversions

Conversions Part 2

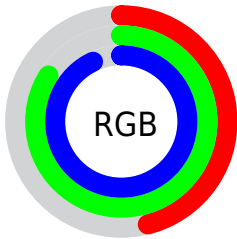
Format	Color
R _Y B	118, 171, 236
Decimal	7788012
CIE Lab	80.46, -22.06, -20.00
CIE LCh	80, 29.773, 222.194
Yxy	57.4962, 0.2418, 0.2996
Android (android.graphics.Color)	4285978092 (0xFF76D5EC)
YUV	187.2170, 24.0500, -60.7033
Hunter-Lab	75.8262, -23.4583, -15.7382

Details

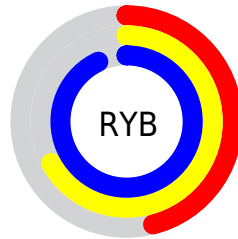
The Yxy color **57.4962, 0.2418, 0.2996** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **38.1850, 0.4405, 0.3550**, and the grayscale version is **49.7107, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0871, 0.2686, 0.3289**, and **28.5612, 0.2246, 0.2910** is the 20% darker color. If you saturate the color by 10%, you get **53.7671, 0.2311, 0.2927**, and if you desaturate by 10%, it is **61.7085, 0.2541, 0.3063**.

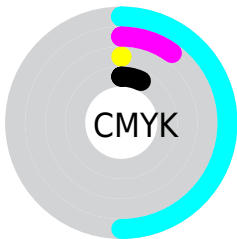
Distribution



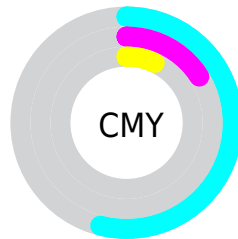
- Red (46%)
- Green (84%)
- Blue (93%)



- Red (46%)
- Yellow (67%)
- Blue (93%)



- Cyan (50%)
- Magenta (10%)
- Yellow (0%)
- Black (7%)




- Cyan (54%)
- Magenta (16%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.4962, 0.2418, 0.2996 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 57.4962, 0.2418, 0.2996 by changing the saturation by 10% instead.


 57.4962, 0.2418,
0.2996

 57.4962, 0.2418,
0.2996


415.3060, 0.2750,
0.3145


 41.4038, 0.2342,
0.2959


 101.1888, 0.2534,
0.3050

 28.6347, 0.2248,
0.2911


 129.5578, 0.2579,
0.3071

 18.8047, 0.2128,
0.2848


 162.7878, 0.2617,
0.3088

 11.5292, 0.1973,
0.2761

201.2631, 0.2651,
0.3103

 6.4240, 0.1765,
0.2635

245.3682, 0.2680,
0.3116

 3.1046, 0.1474,
0.2441

295.4875, 0.2706,

 1.1866, 0.1005,

0.3127

0.2121

352.0053, 0.2729,
0.3137

■ 0.0507, 0.0000,
0.0319

■ 0.0000, 0.0000,
0.0000

■ 57.4962, 0.2418,
0.2996

■ 57.4962, 0.2418,
0.2996

■ 53.7671, 0.2311,
0.2927

■ 61.7085, 0.2541,
0.3063

■ 50.4827, 0.2221,
0.2856

■ 66.4261, 0.2677,
0.3126

■ 47.6088, 0.2152,
0.2784

■ 71.6776, 0.2822,
0.3185

■ 45.1019, 0.2101,
0.2713

■ 77.4870, 0.2973,
0.3240

■ 42.8904, 0.2067,
0.2642

■ 83.8771, 0.3127,
0.3290

■ 89.9890, 0.3251,
0.3335

■ 92.7400, 0.3247,
0.3380

■ 95.5601, 0.3243,
0.3424

■ 98.4500, 0.3239,
0.3468

Harmonies

Analogous

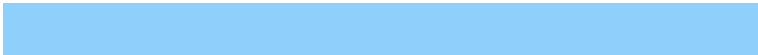
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



57.4962, 0.2564, 0.3354



57.4962, 0.2418, 0.2996



57.4962, 0.2447, 0.2751

Triad

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



57.4962, 0.2418, 0.2996



57.4962, 0.3371, 0.2910



57.4962, 0.3604, 0.3969

Complementary

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



57.4962, 0.2418, 0.2996



38.1850, 0.4405, 0.3550

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.



57.4962, 0.3848, 0.3794



57.4962, 0.2418, 0.2996



57.4962, 0.3715, 0.3191

Square

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



57.4962, 0.2418, 0.2996



57.4962, 0.2977, 0.2720



57.4962, 0.3893, 0.3507



57.4962, 0.3240, 0.3952

Rectangle

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



57.4962, 0.2418, 0.2996



57.4962, 0.2561, 0.2672



57.4962, 0.3893, 0.3507



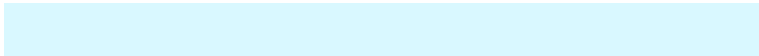
57.4962, 0.3703, 0.3929

Sweetspot

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



57.4984, 0.2418, 0.2996



88.7899, 0.2896, 0.3213



65.7251, 0.2949, 0.4595



18.6943, 0.2864, 0.3201



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.



57.4984, 0.2418, 0.2996



63.9966, 0.2308, 0.2925



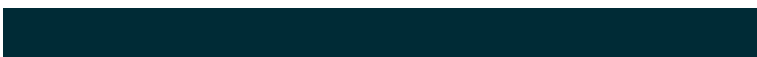
33.4684, 0.2265, 0.2204



16.5941, 0.2981, 0.3243



23.8257, 0.2071, 0.2654



1.9983, 0.2098, 0.2752

Inverse Universe

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



35.5909, 0.3409, 0.2286



36.2092, 0.3485, 0.2117



59.8178, 0.4052, 0.4165



15.2605, 0.3168, 0.3102



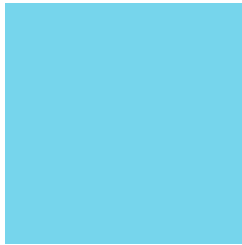
11.8980, 0.3772, 0.1852



0.9471, 0.3680, 0.1801

Previews

White Background



This preview shows how the Yxy color 57.4962, 0.2418, 0.2996 looks on a white background.

Color Contrast Check

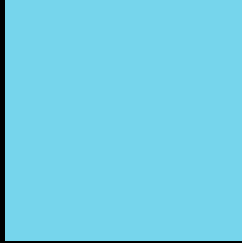
Large Text (above 18pt) WCAG AA × Fail

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 57.4962, 0.2418, 0.2996 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 57.4962, 0.2418, 0.2996

Background



This preview shows how black text looks on a background with the Yxy color 57.4962, 0.2418, 0.2996.



This preview shows how white text looks on a background with the Yxy color 57.4962, 0.2418, 0.2996.

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

57.4962, 0.2418, 0.2996

Protanopia

56.8381, 0.2908, 0.2962

Deuteranopia

56.7452, 0.2830, 0.2766



Tritanopia

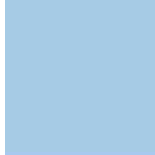
57.5757, 0.2435, 0.3070

Trichromacy



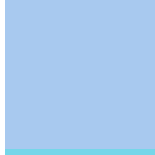
Original Color

57.4962, 0.2418, 0.2996



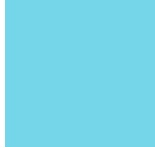
Protanomaly

56.4760, 0.2696, 0.2972



Deuteranomaly

56.3301, 0.2648, 0.2835



Tritanomaly

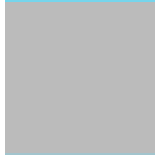
57.7582, 0.2430, 0.3045

Monochromacy



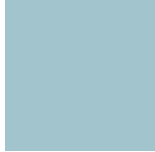
Original Color

57.4962, 0.2418, 0.2996



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

51.5690, 0.2809, 0.3173

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.4962, 0.2418, 0.2996 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(118, 213, 236)` looks like.

```
.text, #text, p{  
    color:rgb(118, 213, 236)  
}
```

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(118, 213, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 213, 236) }
```

Border

The CSS property to change the border of an element to Yxy 57.4962, 0.2418, 0.2996 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(118, 213, 236) }
```

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

```
.border{ border-color:rgb(118, 213, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 213, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 213, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 213, 236);  
box-shadow:4px 4px 4px 4px rgb(118, 213,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 57.4962, 0.2418, 0.2996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 213, 236) }
```

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

```
.background{ background-color: rgb(118,  
213, 236) }
```

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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