

Converting Colors

Yxy(58.1664, 0.2508, 0.3123)

Have a look what the booklet for
Yxy(58.1664, 0.2508, 0.3123)
contains.

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Color

Yxy(58.1512, 0.2505, 0.3122)

Conversions

Conversions Part 1

Format	Color
Hex	7FD6E3
RGB	127, 214, 227
RGB Percent	50%, 84%, 89%
CMY	0.5022, 0.1607, 0.1097
CMYK	0.44, 0.06, 0.00, 0.11
HSL	188°, 64%, 69%
HSV	188°, 44%, 89%
XYZ	46.6588, 58.1512, 81.4527
YIQ	189.4690, -56.0250, -14.4010

Conversions

Conversions Part 2

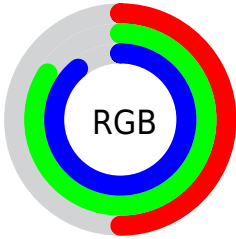
Format	Color
RYB	127, 174, 227
Decimal	8378083
CIELab	80.82, -22.91, -14.62
CIELCh	81, 27.179, 212.544
Yxy	58.1512, 0.2505, 0.3122
Android (android.graphics.Color)	4286568163 (0xFF7FD6E3)
YUV	189.4690, 18.5028, -54.7853
Hunter-Lab	76.2569, -24.2321, -9.9498

Details

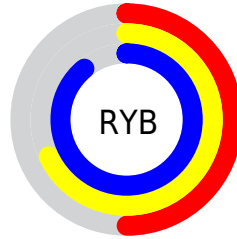
The Yxy color **58.1512, 0.2505, 0.3122** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **36.6055, 0.4224, 0.3445**, and the grayscale version is **51.0810, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9303, 0.2721, 0.3289**, and **29.0400, 0.2352, 0.3063** is the 20% darker color. If you saturate the color by 10%, you get **55.1230, 0.2396, 0.3078**, and if you desaturate by 10%, it is **61.6035, 0.2629, 0.3165**.

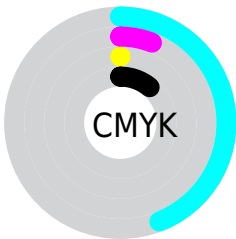
Distribution



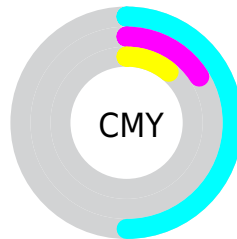
- Red (50%)
- Green (84%)
- Blue (89%)



- Red (50%)
- Yellow (68%)
- Blue (89%)



- Cyan (44%)
- Magenta (6%)
- Yellow (0%)
- Black (11%)





- Cyan (50%)
- Magenta (16%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.1512, 0.2505, 0.3122 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 58.1512, 0.2505, 0.3122 by changing the saturation by 10% instead.

 58.1512, 0.2505,
0.3122

 58.1512, 0.2505,
0.3122


417.7491, 0.2798,
0.3210


 41.9302, 0.2437,
0.3099


 102.1430, 0.2607,
0.3154

 29.0467, 0.2353,
0.3070

 130.6826, 0.2647,
0.3166

 19.1161, 0.2247,
0.3031


 164.0972, 0.2681,
0.3177

 11.7542, 0.2107,
0.2976

202.7712, 0.2710,
0.3185

 6.5765, 0.1916,
0.2893

247.0890, 0.2736,
0.3193

 3.1987, 0.1643,
0.2760

297.4350, 0.2759,

 1.2363, 0.1186,

0.3199

0.2531

354.1936, 0.2779,
0.3205

0.0911, 0.0000,
0.0746

0.0000, 0.0000,
0.0000

58.1512, 0.2505,
0.3122

58.1512, 0.2505,
0.3122

55.1230, 0.2396,
0.3078

61.6035, 0.2629,
0.3165

52.4855, 0.2305,
0.3032


65.4976, 0.2766,
0.3205

50.2105, 0.2232,
0.2986


69.8581, 0.2912,
0.3242


48.2632, 0.2179,
0.2940

74.7059, 0.3064,
0.3277


 46.6012, 0.2144,
0.2895


 80.0604, 0.3219,
0.3308

 45.7125, 0.2130,
0.2868

 84.3616, 0.3318,
0.3337

 86.0343, 0.3315,
0.3366

 87.7350, 0.3311,
0.3395

 89.4639, 0.3308,
0.3424

Harmonies

Analogous

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



58.1512, 0.2688, 0.3461



58.1512, 0.2505, 0.3122



58.1512, 0.2479, 0.2857

Triad

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



58.1512, 0.2505, 0.3122



58.1512, 0.3235, 0.2875



58.1512, 0.3650, 0.3874

Complementary

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



58.1512, 0.2505, 0.3122



36.6055, 0.4224, 0.3445

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.



58.1512, 0.3818, 0.3676



58.1512, 0.2505, 0.3122



58.1512, 0.3573, 0.3112

Square

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



58.1512, 0.2505, 0.3122



58.1512, 0.2883, 0.2736



58.1512, 0.3791, 0.3398



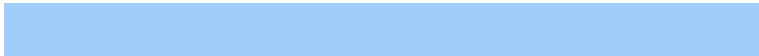
58.1512, 0.3345, 0.3917

Rectangle

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



58.1512, 0.2505, 0.3122



58.1512, 0.2551, 0.2753



58.1512, 0.3791, 0.3398



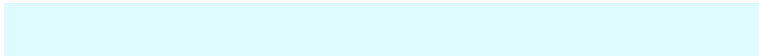
58.1512, 0.3725, 0.3821

Sweetspot

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



58.1535, 0.2505, 0.3122



91.5273, 0.2927, 0.3246



61.3098, 0.3001, 0.4504



19.3062, 0.2894, 0.3238



0.0000, 0.0000, 0.0000



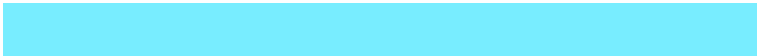
21.4041, 0.3127, 0.3290

Same Dimension

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



58.1535, 0.2505, 0.3122



72.0213, 0.2404, 0.3081



37.0739, 0.2390, 0.2453



15.9999, 0.2982, 0.3259



26.7763, 0.2132, 0.2875



2.0681, 0.2150, 0.2941

Inverse Universe

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



36.3524, 0.3302, 0.2335



40.7966, 0.3347, 0.2158



54.1122, 0.3961, 0.3996



14.5813, 0.3158, 0.3088



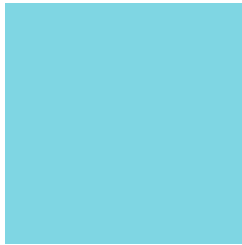
11.9008, 0.3566, 0.1738



0.8885, 0.3506, 0.1705

Previews

White Background



This preview shows how the Yxy color 58.1512, 0.2505, 0.3122 looks on a white background.

Color Contrast Check

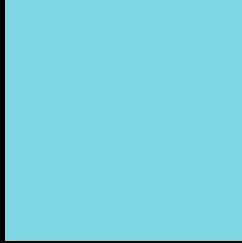
Large Text (above 18pt) WCAG AA × Fail

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 58.1512, 0.2505, 0.3122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

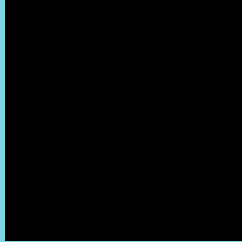
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.1512, 0.2505, 0.3122

Background



This preview shows how black text looks on a background with the Yxy color 58.1512, 0.2505, 0.3122.



This preview shows how white text looks on a background with the Yxy color 58.1512, 0.2505, 0.3122.

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

58.1512, 0.2505, 0.3122

Protanopia

57.4037, 0.2992, 0.3067

Deuteranopia

57.6371, 0.2941, 0.2880



Tritanopia

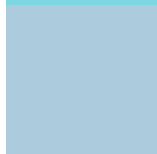
57.9472, 0.2488, 0.3060

Trichromacy



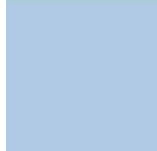
Original Color

58.1512, 0.2505, 0.3122



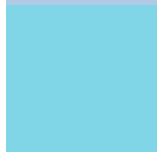
Protanomaly

57.1768, 0.2784, 0.3081



Deuteranomaly

57.1843, 0.2754, 0.2954



Tritanomaly

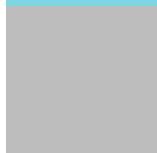
57.8909, 0.2493, 0.3072

Monochromacy



Original Color

58.1512, 0.2505, 0.3122



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

52.8070, 0.2852, 0.3225

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.1512, 0.2505, 0.3122 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(127, 214, 227)` looks like.

```
.text, #text, p{  
    color:rgb(127, 214, 227)  
}
```

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(127, 214, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 214, 227) }
```

Border

The CSS property to change the border of an element to Yxy 58.1512, 0.2505, 0.3122 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(127, 214, 227) }
```

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

```
.border{ border-color:rgb(127, 214, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 214, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 214, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 214, 227); box-shadow:4px 4px 4px 4px rgb(127, 214, 227) }
```


Background

The CSS property to change the background color of an element to Yxy 58.1512, 0.2505, 0.3122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 214, 227) }
```

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

```
.background{ background-color: rgb(127,  
214, 227) }
```

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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