

Converting Colors

$Y_{xy}(59.0151, 0.2502, 0.3114)$

Have a look what the booklet for
Yxy(59.0151, 0.2502, 0.3114)
contains.

Yxy(58.8472, 0.2503, 0.3111)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(58.8472, 0.2503, 0.3111)

Conversions

Conversions Part 1

Format	Color
Hex	80D7E5
RGB	128, 215, 229
RGB Percent	50%, 84%, 90%
CMY	0.4978, 0.1569, 0.1021
CMYK	0.44, 0.06, 0.00, 0.10
HSL	188°, 66%, 70%
HSV	188°, 44%, 90%
XYZ	47.3464, 58.8472, 82.9649
YIQ	190.5830, -56.3460, -14.0900

Conversions

Conversions Part 2

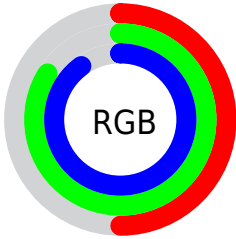
Format	Color
R _{YB}	128, 175, 229
Decimal	8443877
CIE _{Lab}	81.21, -22.64, -15.07
CIE _{LCh}	81, 27.200, 213.655
Y _{xy}	58.8472, 0.2503, 0.3111
Android (android.graphics.Color)	4286633957 (0xFF80D7E5)
YUV	190.5830, 18.9396, -54.8853
Hunter-Lab	76.7119, -24.0762, -10.4245

Details

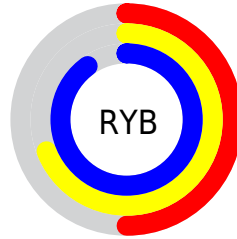
The Yxy color **58.8472, 0.2503, 0.3111** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **37.5622, 0.4220, 0.3455**, and the grayscale version is **51.7657, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1791, 0.2731, 0.3289**, and **29.4997, 0.2349, 0.3048** is the 20% darker color. If you saturate the color by 10%, you get **55.6710, 0.2393, 0.3064**, and if you desaturate by 10%, it is **62.4598, 0.2628, 0.3156**.

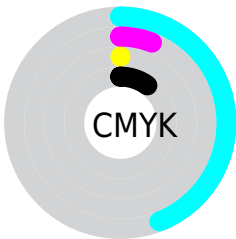
Distribution



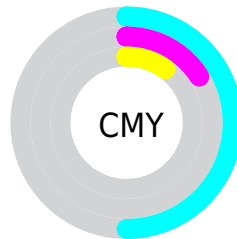
- Red (50%)
- Green (84%)
- Blue (90%)



- Red (50%)
- Yellow (69%)
- Blue (90%)



- Cyan (44%)
- Magenta (6%)
- Yellow (0%)
- Black (10%)





- Cyan (50%)
- Magenta (16%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.8472, 0.2503, 0.3111 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 58.8472, 0.2503, 0.3111 by changing the saturation by 10% instead.


 58.8472, 0.2503,
0.3111

 58.8472, 0.2503,
0.3111


420.3354, 0.2796,
0.3204

 42.4901, 0.2435,
0.3087


 103.1556, 0.2605,
0.3145

 29.4853, 0.2352,
0.3057


 131.8756, 0.2645,
0.3158

 19.4482, 0.2245,
0.3016


 165.4855, 0.2679,
0.3169

 11.9946, 0.2106,
0.2958

204.3695, 0.2708,
0.3178

 6.7400, 0.1917,
0.2874

248.9121, 0.2734,
0.3186

 3.3000, 0.1648,
0.2738

299.4977, 0.2757,

 1.2903, 0.1215,

0.3192

0.2502

356.5107, 0.2778,
0.3198

0.1337, 0.0000,
0.0988

0.0000, 0.0000,
0.0000

58.8472, 0.2503,
0.3111

58.8472, 0.2503,
0.3111

55.6710, 0.2393,
0.3064

62.4598, 0.2628,
0.3156

52.8969, 0.2300,
0.3015

66.5270, 0.2765,
0.3199

50.4963, 0.2227,
0.2966


71.0737, 0.2912,
0.3239

48.4336, 0.2173,
0.2917


76.1215, 0.3064,
0.3276


 46.6654, 0.2137,
0.2868


 81.6901, 0.3219,
0.3309

 45.7159, 0.2122,
0.2839

 85.7666, 0.3303,
0.3340

 87.5869, 0.3299,
0.3371

 89.4396, 0.3296,
0.3402

 91.3250, 0.3292,
0.3433

Harmonies

Analogous

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



58.8472, 0.2680, 0.3448



58.8472, 0.2503, 0.3111



58.8472, 0.2483, 0.2851

Triad

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



58.8472, 0.2503, 0.3111



58.8472, 0.3248, 0.2884



58.8472, 0.3639, 0.3877

Complementary

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



58.8472, 0.2503, 0.3111



37.5622, 0.4220, 0.3455

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.



58.8472, 0.3813, 0.3684



58.8472, 0.2503, 0.3111



58.8472, 0.3583, 0.3122

Square

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



58.8472, 0.2503, 0.3111



58.8472, 0.2896, 0.2740



58.8472, 0.3794, 0.3409



58.8472, 0.3331, 0.3912

Rectangle

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



58.8472, 0.2503, 0.3111



58.8472, 0.2559, 0.2751



58.8472, 0.3794, 0.3409



58.8472, 0.3716, 0.3826

Sweetspot

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



58.8495, 0.2503, 0.3111



91.3541, 0.2927, 0.3243



62.5502, 0.2992, 0.4481



19.2630, 0.2893, 0.3235



0.0000, 0.0000, 0.0000



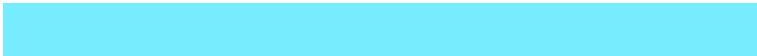
21.4041, 0.3127, 0.3290

Same Dimension

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



58.8495, 0.2503, 0.3111



71.3655, 0.2401, 0.3067



37.1773, 0.2386, 0.2429



15.9784, 0.2981, 0.3257



26.2799, 0.2124, 0.2847



2.0361, 0.2144, 0.2918

Inverse Universe

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



37.0100, 0.3310, 0.2343



40.7304, 0.3358, 0.2167



55.8949, 0.3952, 0.4014



14.5791, 0.3159, 0.3090



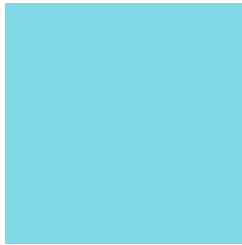
11.8507, 0.3592, 0.1752



0.8852, 0.3527, 0.1717

Previews

White Background



This preview shows how the Yxy color 58.8472, 0.2503, 0.3111 looks on a white background.

Color Contrast Check

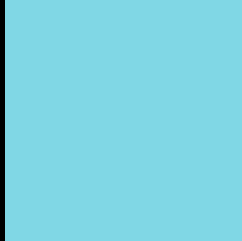
Large Text (above 18pt) WCAG AA × Fail

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 58.8472, 0.2503, 0.3111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

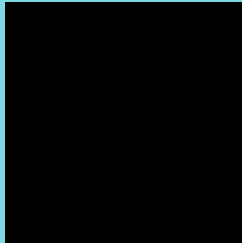
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.8472, 0.2503, 0.3111

Background



This preview shows how black text looks on a background with the Yxy color 58.8472, 0.2503, 0.3111.



This preview shows how white text looks on a background with the Yxy color 58.8472, 0.2503, 0.3111.

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

58.8472, 0.2503, 0.3111

Protanopia

58.1034, 0.2986, 0.3056

Deuteranopia

58.3422, 0.2935, 0.2872



Tritanopia

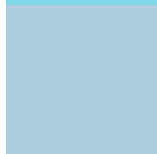
59.0942, 0.2493, 0.3074

Trichromacy



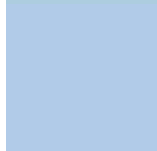
Original Color

58.8472, 0.2503, 0.3111



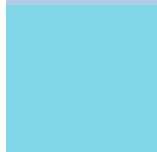
Protanomaly

57.8746, 0.2779, 0.3071



Deuteranomaly

57.8852, 0.2749, 0.2944



Tritanomaly

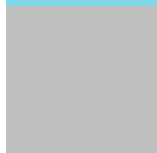
59.0375, 0.2498, 0.3086

Monochromacy



Original Color

58.8472, 0.2503, 0.3111



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

54.0412, 0.2855, 0.3226

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.8472, 0.2503, 0.3111 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(128, 215, 229)` looks like.

```
.text, #text, p{  
    color:rgb(128, 215, 229)  
}
```

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(128, 215, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 215, 229) }
```

Border

The CSS property to change the border of an element to Yxy 58.8472, 0.2503, 0.3111 is called "border". The border property can be set on classes, ids or directly on the HTML element.

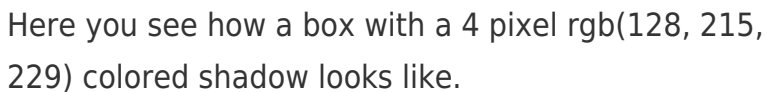
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(128, 215, 229) }
```

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

```
.border{ border-color:rgb(128, 215, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(128, 215, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 215, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 215, 229);  
box-shadow:4px 4px 4px 4px rgb(128, 215,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 58.8472, 0.2503, 0.3111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 215, 229) }
```

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

```
.background{ background-color: rgb(128,  
215, 229) }
```

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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