

Converting Colors

$Yxy(60.0468, 0.2561, 0.3206)$

Have a look what the booklet for
Yxy(60.0468, 0.2561, 0.3206)
contains.

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Color

Yxy(59.9941, 0.2557, 0.3200)

Conversions

Conversions Part 1

Format	Color
Hex	85D9E0
RGB	133, 217, 224
RGB Percent	52%, 85%, 88%
CMY	0.4783, 0.1490, 0.1217
CMYK	0.41, 0.03, 0.00, 0.12
HSL	185°, 59%, 70%
HSV	185°, 41%, 88%
XYZ	47.9390, 59.9941, 79.5484
YIQ	192.6820, -52.3110, -15.6310

Conversions

Conversions Part 2

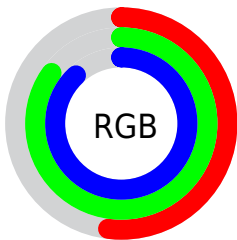
Format	Color
RYB	133, 177, 224
Decimal	8772064
CIELab	81.83, -23.70, -11.45
CIElCh	82, 26.320, 205.786
Yxy	59.9941, 0.2557, 0.3200
Android (android.graphics.Color)	4286962144 (0xFF85D9E0)
YUV	192.6820, 15.4398, -52.3411
Hunter-Lab	77.4559, -25.0704, -6.6727

Details

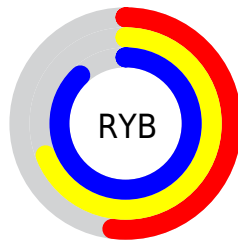
The Yxy color **59.9941, 0.2557, 0.3200** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **36.2886, 0.4125, 0.3376**, and the grayscale version is **53.0663, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6871, 0.2752, 0.3289**, and **30.2417, 0.2416, 0.3168** is the 20% darker color. If you saturate the color by 10%, you get **57.4840, 0.2448, 0.3175**, and if you desaturate by 10%, it is **62.9067, 0.2681, 0.3224**.

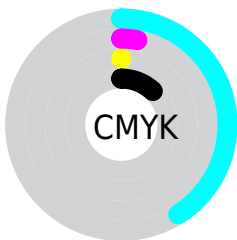
Distribution



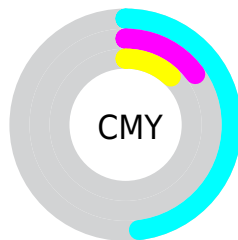
- Red (52%)
- Green (85%)
- Blue (88%)



- Red (52%)
- Yellow (69%)
- Blue (88%)



- Cyan (41%)
- Magenta (3%)
- Yellow (0%)
- Black (12%)




- Cyan (48%)
- Magenta (15%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.9941, 0.2557, 0.3200 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 59.9941, 0.2557, 0.3200 by changing the saturation by 10% instead.


 59.9941, 0.2557,
0.3200

 59.9941, 0.2557,
0.3200


424.5760, 0.2825,
0.3249

 43.4139, 0.2495,
0.3187


 104.8211, 0.2651,
0.3219

 30.2100, 0.2418,
0.3170


 133.8367, 0.2687,
0.3225

 19.9980, 0.2321,
0.3146


 167.7662, 0.2718,
0.3231

 12.3936, 0.2192,
0.3112

206.9940, 0.2745,
0.3236

 7.0123, 0.2017,
0.3061

251.9044, 0.2769,
0.3240

 3.4698, 0.1765,
0.2974

302.8820, 0.2789,

 1.3817, 0.1359,

0.3243

0.2816

360.3111, 0.2808,
0.3246

0.2031, 0.0000,
0.1657

0.0000, 0.0000,
0.0000

59.9941, 0.2557,
0.3200

59.9941, 0.2557,
0.3200

57.4840, 0.2448,
0.3175

62.9067, 0.2681,
0.3224

55.3445, 0.2357,
0.3149

66.2375, 0.2818,
0.3247


53.5500, 0.2285,
0.3122


70.0099, 0.2964,
0.3269


52.0687, 0.2233,
0.3096


74.2434, 0.3118,
0.3289

 50.8626, 0.2198,
0.3070

 78.9565, 0.3275,
0.3307

 49.9190, 0.2180,
0.3046

 81.7370, 0.3344,
0.3324

 82.6811, 0.3342,
0.3341

 83.6346, 0.3340,
0.3358

 84.5974, 0.3338,
0.3375

Harmonies

Analogous

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



59.9941, 0.2764, 0.3527



59.9941, 0.2557, 0.3200



59.9941, 0.2496, 0.2923

Triad

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



59.9941, 0.2557, 0.3200



59.9941, 0.3152, 0.2852



59.9941, 0.3679, 0.3818

Complementary

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



59.9941, 0.2557, 0.3200



36.2886, 0.4125, 0.3376

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.



59.9941, 0.3801, 0.3606



59.9941, 0.2557, 0.3200



59.9941, 0.3488, 0.3062

Square

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



59.9941, 0.2557, 0.3200



59.9941, 0.2826, 0.2743



59.9941, 0.3731, 0.3331



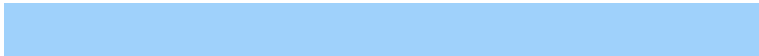
59.9941, 0.3410, 0.3896

Rectangle

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



59.9941, 0.2557, 0.3200



59.9941, 0.2543, 0.2802



59.9941, 0.3731, 0.3331



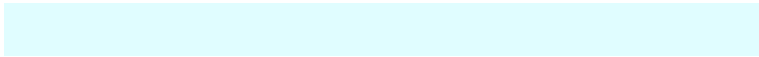
59.9941, 0.3739, 0.3759

Sweetspot

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



59.9964, 0.2557, 0.3200



93.1659, 0.2942, 0.3266



60.1479, 0.3035, 0.4454



19.7939, 0.2923, 0.3263



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.



59.9964, 0.2557, 0.3200



77.5384, 0.2461, 0.3178



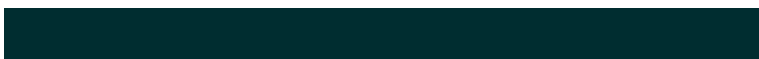
40.0390, 0.2461, 0.2596



15.3833, 0.2982, 0.3271



29.1433, 0.2181, 0.3050



2.0742, 0.2192, 0.3090

Inverse Universe

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



37.6342, 0.3239, 0.2360



43.8578, 0.3267, 0.2178



52.0494, 0.3904, 0.3891



13.9166, 0.3150, 0.3076



11.8501, 0.3410, 0.1652



0.8269, 0.3376, 0.1633

Previews

White Background



This preview shows how the Yxy color 59.9941, 0.2557, 0.3200 looks on a white background.

Color Contrast Check

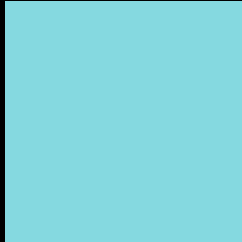
Large Text (above 18pt) WCAG AA × Fail

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 59.9941, 0.2557, 0.3200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

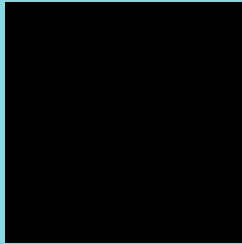
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.9941, 0.2557, 0.3200

Background



This preview shows how black text looks on a background with the Yxy color 59.9941, 0.2557, 0.3200.

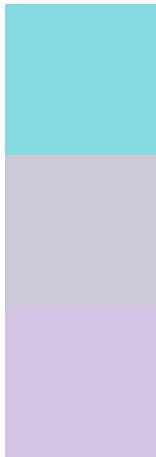


This preview shows how white text looks on a background with the Yxy color 59.9941, 0.2557, 0.3200.

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

59.9941, 0.2557, 0.3200

Protanopia

59.3248, 0.3050, 0.3139

Deuteranopia

59.2356, 0.3006, 0.2941



Tritanopia

60.2292, 0.2524, 0.3077

Trichromacy



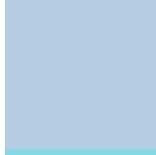
Original Color

59.9941, 0.2557, 0.3200



Protanomaly

59.1526, 0.2845, 0.3156



Deuteranomaly

58.6769, 0.2814, 0.3016



Tritanomaly

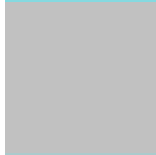
59.9758, 0.2534, 0.3113

Monochromacy



Original Color

59.9941, 0.2557, 0.3200



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

55.2586, 0.2883, 0.3264

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.9941, 0.2557, 0.3200 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(133, 217, 224)` looks like.

```
.text, #text, p{  
    color:rgb(133, 217, 224)  
}
```

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(133, 217, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 217, 224) }
```

Border

The CSS property to change the border of an element to Yxy 59.9941, 0.2557, 0.3200 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(133, 217, 224) }
```

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

```
.border{ border-color:rgb(133, 217, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 217, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 217, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 217, 224);  
box-shadow:4px 4px 4px 4px rgb(133, 217,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 59.9941, 0.2557, 0.3200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 217, 224) }
```

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

```
.background{ background-color: rgb(133,  
217, 224) }
```

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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