

Converting Colors

$Y_{xy}(62.9742, 0.2522, 0.3203)$

Have a look what the booklet for
Yxy(62.9742, 0.2522, 0.3203)
contains.

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Color

Yxy(63.1557, 0.2520, 0.3201)

Conversions

Conversions Part 1

Format	Color
Hex	81DFE6
RGB	129, 223, 230
RGB Percent	51%, 87%, 90%
CMY	0.4942, 0.1255, 0.0981
CMYK	0.44, 0.03, 0.00, 0.10
HSL	184°, 67%, 70%
HSV	184°, 44%, 90%
XYZ	49.7196, 63.1557, 84.4246
YIQ	195.6920, -58.2710, -17.7510

Conversions

Conversions Part 2

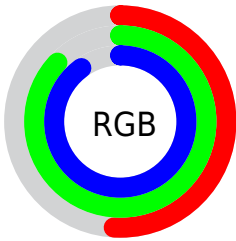
Format	Color
R _Y B	129, 178, 230
Decimal	8511462
CIE Lab	83.52, -26.11, -12.14
CIE LCh	84, 28.799, 204.943
Yxy	63.1557, 0.2520, 0.3201
Android (android.graphics.Color)	4286701542 (0xFF81DFE6)
YUV	195.6920, 16.9138, -58.4889
Hunter-Lab	79.4706, -27.3976, -7.3567

Details

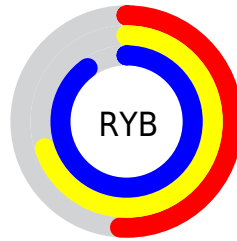
The Yxy color **63.1557, 0.2520, 0.3201** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **36.0025, 0.4254, 0.3374**, and the grayscale version is **54.9287, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3048, 0.2736, 0.3289**, and **32.4025, 0.2374, 0.3170** is the 20% darker color. If you saturate the color by 10%, you get **60.7101, 0.2418, 0.3178**, and if you desaturate by 10%, it is **66.0194, 0.2639, 0.3223**.

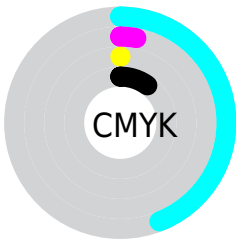
Distribution



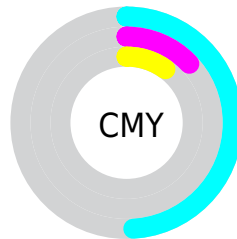
- Red (51%)
- Green (87%)
- Blue (90%)



- Red (51%)
- Yellow (70%)
- Blue (90%)



- Cyan (44%)
- Magenta (3%)
- Yellow (0%)
- Black (10%)





- Cyan (49%)
- Magenta (13%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.1557, 0.2520, 0.3201 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 63.1557, 0.2520, 0.3201 by changing the saturation by 10% instead.


 63.1557, 0.2520,
0.3201


 63.1557, 0.2520,
0.3201


436.1343, 0.2802,
0.3250


 45.9672, 0.2456,
0.3188


 109.3941, 0.2618,
0.3220

 32.2199, 0.2376,
0.3171


 139.2128, 0.2656,
0.3226

 21.5295, 0.2275,
0.3147


 174.0103, 0.2689,
0.3232

 13.5116, 0.2145,
0.3114

214.1711, 0.2717,
0.3237

 7.7818, 0.1968,
0.3063

260.0794, 0.2742,
0.3241

 3.9556, 0.1718,
0.2978

312.1199, 0.2765,

 1.6488, 0.1344,

0.3244

0.2821

370.6767, 0.2784,
0.3247

0.3902, 0.0000,
0.2297

0.0000, 0.0000,
0.0000

63.1557, 0.2520,
0.3201

63.1557, 0.2520,
0.3201

60.7101, 0.2418,
0.3178

66.0194, 0.2639,
0.3223

58.6478, 0.2334,
0.3154


69.3189, 0.2771,
0.3245

56.9402, 0.2269,
0.3130


73.0795, 0.2915,
0.3265


55.5514, 0.2224,
0.3107

77.3227, 0.3066,
0.3283

 54.4379, 0.2197,
0.3084

 82.0685, 0.3223,
0.3300

 53.8538, 0.2186,
0.3070

 84.9940, 0.3298,
0.3316

 85.8958, 0.3296,
0.3331

 86.8057, 0.3294,
0.3347

 87.7237, 0.3293,
0.3363

Harmonies

Analogous

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



63.1557, 0.2745, 0.3554



63.1557, 0.2520, 0.3201



63.1557, 0.2451, 0.2901

Triad

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



63.1557, 0.2520, 0.3201



63.1557, 0.3143, 0.2816



63.1557, 0.3726, 0.3851

Complementary

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



63.1557, 0.2520, 0.3201



36.0025, 0.4254, 0.3374

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.



63.1557, 0.3853, 0.3618



63.1557, 0.2520, 0.3201



63.1557, 0.3506, 0.3038

Square

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



63.1557, 0.2520, 0.3201



63.1557, 0.2794, 0.2704



63.1557, 0.3772, 0.3324



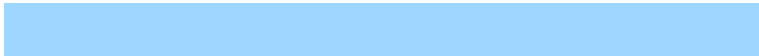
63.1557, 0.3439, 0.3944

Rectangle

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



63.1557, 0.2520, 0.3201



63.1557, 0.2497, 0.2770



63.1557, 0.3772, 0.3324



63.1557, 0.3790, 0.3785

Sweetspot

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



63.1582, 0.2520, 0.3201



92.7928, 0.2927, 0.3266



63.0231, 0.3028, 0.4569



19.6221, 0.2894, 0.3262



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.



63.1582, 0.2520, 0.3201



76.9067, 0.2424, 0.3179



40.1692, 0.2404, 0.2527



16.1568, 0.2982, 0.3273



30.5662, 0.2187, 0.3073



2.3102, 0.2197, 0.3107

Inverse Universe

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



37.8441, 0.3242, 0.2281



41.2898, 0.3270, 0.2093



53.6156, 0.3983, 0.3940



14.5971, 0.3148, 0.3074



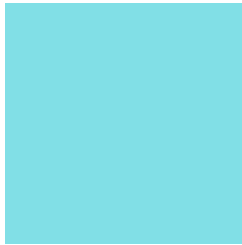
12.2834, 0.3390, 0.1641



0.9129, 0.3361, 0.1625

Previews

White Background



This preview shows how the Yxy color 63.1557, 0.2520, 0.3201 looks on a white background.

Color Contrast Check

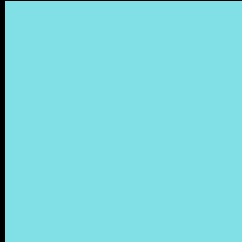
Large Text (above 18pt) WCAG AA × Fail

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 63.1557, 0.2520, 0.3201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

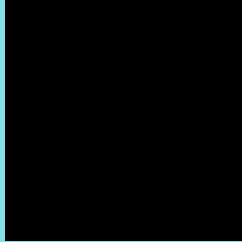
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.1557, 0.2520, 0.3201

Background



This preview shows how black text looks on a background with the Yxy color 63.1557, 0.2520, 0.3201.

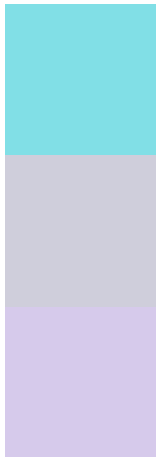


This preview shows how white text looks on a background with the Yxy color 63.1557, 0.2520, 0.3201.

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

63.1557, 0.2520, 0.3201

Protanopia

62.5225, 0.3045, 0.3142

Deuteranopia

62.5354, 0.2988, 0.2927



Tritanopia

63.3801, 0.2489, 0.3080

Trichromacy



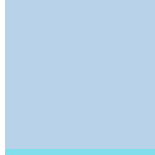
Original Color

63.1557, 0.2520, 0.3201



Protanomaly

61.9984, 0.2825, 0.3158



Deuteranomaly

62.0437, 0.2789, 0.3021



Tritanomaly

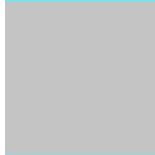
63.1240, 0.2498, 0.3115

Monochromacy



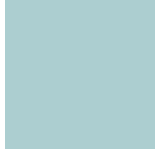
Original Color

63.1557, 0.2520, 0.3201



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

57.4673, 0.2867, 0.3264

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.1557, 0.2520, 0.3201 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(129, 223, 230)` looks like.

```
.text, #text, p{  
    color:rgb(129, 223, 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(129, 223, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 223, 230) }
```

Border

The CSS property to change the border of an element to Yxy 63.1557, 0.2520, 0.3201 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(129, 223, 230) }
```

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

```
.border{ border-color:rgb(129, 223, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 223, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 223, 230); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 223, 230); box-shadow:4px 4px 4px 4px rgb(129, 223, 230) }
```


Background

The CSS property to change the background color of an element to Yxy 63.1557, 0.2520, 0.3201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 223, 230) }
```

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

```
.background{ background-color: rgb(129,  
223, 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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