

Converting Colors

$Y_{xy}(62.3882, 0.2527, 0.3430)$

Have a look what the booklet for
Yxy(62.3882, 0.2527, 0.3430)
contains.

Yxy(62.2162, 0.2530, 0.3432)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(62.2162, 0.2530, 0.3432)

Conversions

Conversions Part 1

Format	Color
Hex	71E1D6
RGB	113, 225, 214
RGB Percent	44%, 88%, 84%
CMY	0.5571, 0.1176, 0.1608
CMYK	0.50, 0.00, 0.05, 0.12
HSL	174°, 65%, 66%
HSV	174°, 50%, 88%
XYZ	45.8645, 62.2162, 73.2019
YIQ	190.2580, -63.2210, -27.1650

Conversions

Conversions Part 2

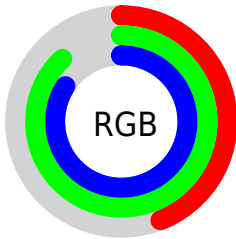
Format	Color
RYB	113, 172, 225
Decimal	7463382
CIELab	83.03, -34.67, -4.47
CIELCh	83, 34.955, 187.344
Yxy	62.2162, 0.2530, 0.3432
Android (android.graphics.Color)	4285653462 (0xFF71E1D6)
YUV	190.2580, 11.7048, -67.7553
Hunter-Lab	78.8772, -34.2433, 0.1901

Details

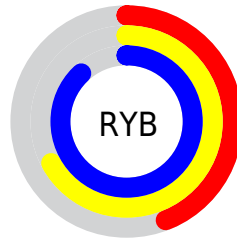
The Yxy color **62.2162, 0.2530, 0.3432** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **29.2585, 0.4392, 0.3166**, and the grayscale version is **51.5985, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5107, 0.2662, 0.3289**, and **31.5321, 0.2386, 0.3466** is the 20% darker color. If you saturate the color by 10%, you get **60.7955, 0.2453, 0.3465**, and if you desaturate by 10%, it is **64.0132, 0.2624, 0.3400**.

Distribution



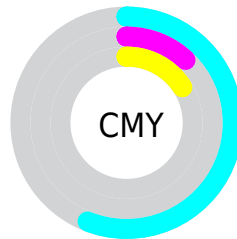
- Red (44%)
- Green (88%)
- Blue (84%)



- Red (44%)
- Yellow (67%)
- Blue (88%)



- Cyan (50%)
- Magenta (0%)
- Yellow (5%)
- Black (12%)





- Cyan (56%)
- Magenta (12%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 62.2162, 0.2530, 0.3432 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 62.2162, 0.2530, 0.3432 by changing the saturation by 10% instead.

 62.2162, 0.2530,
0.3432


 62.2162, 0.2530,
0.3432


432.7193, 0.2810,
0.3369


 45.2074, 0.2465,
0.3446

 108.0379, 0.2628,
0.3411

 31.6208, 0.2385,
0.3462


 137.6197, 0.2666,
0.3402

 21.0721, 0.2283,
0.3482


 172.1612, 0.2698,
0.3395

 13.1767, 0.2148,
0.3507

212.0469, 0.2727,
0.3388

 7.5503, 0.1965,
0.3539

257.6612, 0.2751,
0.3383

 3.8086, 0.1701,
0.3576

309.3884, 0.2773,

 1.5671, 0.1221,

0.3377

367.6130, 0.2793,
0.3373

0.3647

0.3352, 0.0000,
0.3311

0.0000, 0.0000,
0.0000

62.2162, 0.2530,
0.3432

62.2162, 0.2530,
0.3432

60.7955, 0.2453,
0.3465

64.0132, 0.2624,
0.3400

59.7158, 0.2396,
0.3499


66.2041, 0.2734,
0.3369

58.9478, 0.2358,
0.3533


68.8143, 0.2857,
0.3341

58.4537, 0.2338,
0.3567


71.8647, 0.2990,
0.3314


 58.1690, 0.2334,
0.3600


 75.3752, 0.3130,
0.3290

 58.1642, 0.2334,
0.3601

 79.3641, 0.3274,
0.3268

 80.8022, 0.3309,
0.3246

 80.9270, 0.3295,
0.3224

 81.0533, 0.3280,
0.3202

Harmonies

Analogous

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



62.2162, 0.2886, 0.3843



62.2162, 0.2530, 0.3432



62.2162, 0.2337, 0.3009

Triad

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



62.2162, 0.2530, 0.3432



62.2162, 0.2884, 0.2624



62.2162, 0.3976, 0.3811

Complementary

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



62.2162, 0.2530, 0.3432



29.2585, 0.4392, 0.3166

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.



62.2162, 0.3988, 0.3472



62.2162, 0.2530, 0.3432



62.2162, 0.3331, 0.2817

Square

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



62.2162, 0.2530, 0.3432



62.2162, 0.2530, 0.2580



62.2162, 0.3746, 0.3118



62.2162, 0.3725, 0.4045

Rectangle

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



62.2162, 0.2530, 0.3432



62.2162, 0.2315, 0.2790



62.2162, 0.3746, 0.3118



62.2162, 0.4009, 0.3705

Sweetspot

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



62.2186, 0.2530, 0.3432



93.2135, 0.2919, 0.3328



59.3441, 0.3118, 0.4840



19.7712, 0.2891, 0.3333



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.



62.2186, 0.2530, 0.3432



80.6331, 0.2449, 0.3467



41.6585, 0.2360, 0.2675



15.5479, 0.2995, 0.3313



33.5219, 0.2332, 0.3596



2.3304, 0.2318, 0.3544

Inverse Universe

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



29.2585, 0.4392, 0.3166



32.0482, 0.4839, 0.3152



41.5736, 0.4241, 0.3815



13.7223, 0.3277, 0.3267



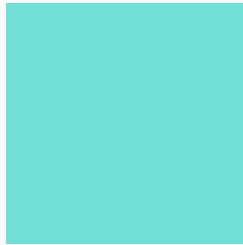
9.2657, 0.6283, 0.3235



0.6498, 0.5997, 0.3077

Previews

White Background



This preview shows how the Yxy color 62.2162, 0.2530, 0.3432 looks on a white background.

Color Contrast Check

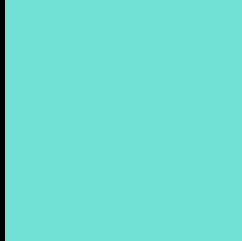
Large Text (above 18pt) WCAG AA × Fail

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 62.2162, 0.2530, 0.3432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

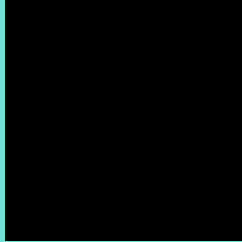
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

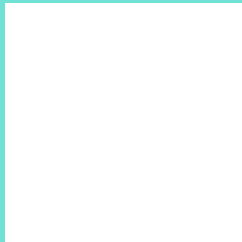
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 62.2162, 0.2530, 0.3432

Background



This preview shows how black text looks on a background with the Yxy color 62.2162, 0.2530, 0.3432.

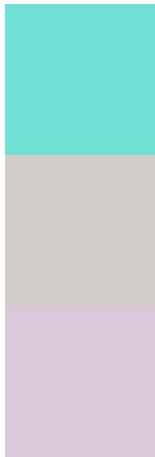


This preview shows how white text looks on a background with the Yxy color 62.2162, 0.2530, 0.3432.

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

62.2162, 0.2530, 0.3432

Protanopia

61.6285, 0.3187, 0.3325

Deuteranopia

61.4831, 0.3137, 0.3078



Tritanopia

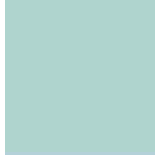
62.0098, 0.2437, 0.3064

Trichromacy



Original Color

62.2162, 0.2530, 0.3432



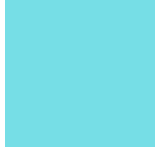
Protanomaly

60.6572, 0.2903, 0.3363



Deuteranomaly

60.3140, 0.2867, 0.3193



Tritanomaly

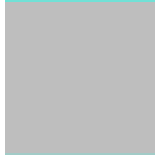
61.8073, 0.2468, 0.3187

Monochromacy



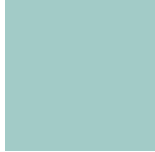
Original Color

62.2162, 0.2530, 0.3432



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

54.5168, 0.2854, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.2162, 0.2530, 0.3432 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(113, 225, 214)` looks like.

```
.text, #text, p{  
    color:rgb(113, 225, 214)  
}
```

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(113, 225, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 225, 214) }
```

Border

The CSS property to change the border of an element to Yxy 62.2162, 0.2530, 0.3432 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(113, 225, 214) }
```

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

```
.border{ border-color:rgb(113, 225, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 225, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 225, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 225, 214);  
box-shadow:4px 4px 4px 4px rgb(113, 225,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 62.2162, 0.2530, 0.3432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 225, 214) }
```

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

```
.background{ background-color: rgb(113,  
225, 214) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor