

Converting Colors

$Y_{xy}(64.2525, 0.2554, 0.3522)$

Have a look what the booklet for
Yxy(64.2525, 0.2554, 0.3522)
contains.

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Color

Yxy(64.2525, 0.2554, 0.3522)

Conversions

Conversions Part 1

Format	Color
Hex	71E5D3
RGB	113, 229, 211
RGB Percent	44%, 90%, 83%
CMY	0.5567, 0.1020, 0.1725
CMYK	0.51, 0.00, 0.08, 0.10
HSL	171°, 69%, 67%
HSV	171°, 51%, 90%
XYZ	46.5931, 64.2525, 71.5863
YIQ	192.2640, -63.3580, -30.1900

Conversions

Conversions Part 2

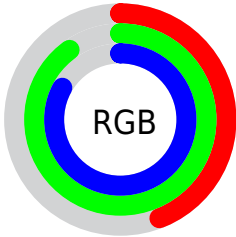
Format	Color
RYB	113, 176, 229
Decimal	7464403
CIELab	84.10, -37.21, -1.33
CIELCh	84, 37.233, 182.042
Yxy	64.2525, 0.2554, 0.3522
Android (android.graphics.Color)	4285654483 (0xFF71E5D3)
YUV	192.2640, 9.2368, -69.5145
Hunter-Lab	80.1577, -36.5195, 3.1603

Details

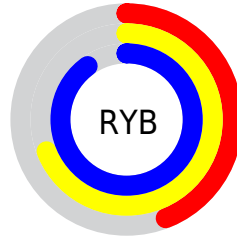
The Yxy color **64.2525, 0.2554, 0.3522** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **30.1175, 0.4341, 0.3089**, and the grayscale version is **52.8556, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5107, 0.2662, 0.3289**, and **32.9744, 0.2414, 0.3570** is the 20% darker color. If you saturate the color by 10%, you get **62.7461, 0.2483, 0.3576**, and if you desaturate by 10%, it is **66.1511, 0.2642, 0.3470**.

Distribution



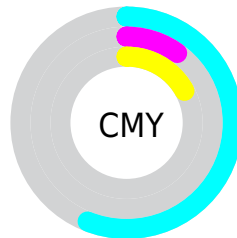
- Red (44%)
- Green (90%)
- Blue (83%)



- Red (44%)
- Yellow (69%)
- Blue (90%)



- Cyan (51%)
- Magenta (0%)
- Yellow (8%)
- Black (10%)





- Cyan (56%)
- Magenta (10%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.2525, 0.2554, 0.3522 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 64.2525, 0.2554, 0.3522 by changing the saturation by 10% instead.


 64.2525, 0.2554,
0.3522


 64.2525, 0.2554,
0.3522


440.1009, 0.2823,
0.3414

 46.8552, 0.2492,
0.3547


 110.9745, 0.2648,
0.3485

 32.9212, 0.2415,
0.3577


 141.0680, 0.2684,
0.3470

 22.0661, 0.2317,
0.3615


 176.1624, 0.2715,
0.3458

 13.9055, 0.2188,
0.3666

216.6420, 0.2743,
0.3447

 8.0549, 0.2012,
0.3733

262.8912, 0.2766,
0.3437

 4.1301, 0.1758,
0.3828

315.2946, 0.2787,

 1.7466, 0.1315,

0.3429

0.3994

374.2363, 0.2806,
0.3421

0.4536, 0.0000,
0.4360

0.0000, 0.0000,
0.0000

64.2525, 0.2554,
0.3522

64.2525, 0.2554,
0.3522

62.7461, 0.2483,
0.3576

66.1511, 0.2642,
0.3470

61.5949, 0.2431,
0.3631


68.4605, 0.2746,
0.3421


60.7677, 0.2399,
0.3687

71.2075, 0.2862,
0.3374

60.2243, 0.2386,
0.3742


74.4142, 0.2987,
0.3331

 59.9094, 0.2387,
0.3794

 78.1012, 0.3119,
0.3292

 82.2879, 0.3254,
0.3257

 83.3458, 0.3263,
0.3223

 83.5541, 0.3239,
0.3188

 83.7666, 0.3216,
0.3153

Harmonies

Analogous

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



64.2525, 0.2950, 0.3937



64.2525, 0.2554, 0.3522



64.2525, 0.2319, 0.3064

Triad

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



64.2525, 0.2554, 0.3522



64.2525, 0.2795, 0.2571



64.2525, 0.4043, 0.3776

Complementary

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



64.2525, 0.2554, 0.3522



30.1175, 0.4341, 0.3089

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.



64.2525, 0.4008, 0.3412



64.2525, 0.2554, 0.3522



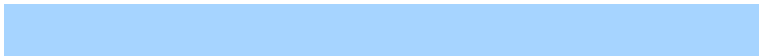
64.2525, 0.3256, 0.2748

Square

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



64.2525, 0.2554, 0.3522



64.2525, 0.2450, 0.2554



64.2525, 0.3712, 0.3047



64.2525, 0.3817, 0.4053

Rectangle

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



64.2525, 0.2554, 0.3522



64.2525, 0.2272, 0.2816



64.2525, 0.3712, 0.3047



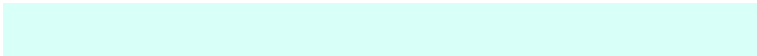
64.2525, 0.4062, 0.3660

Sweetspot

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



64.2550, 0.2554, 0.3522



93.0773, 0.2930, 0.3350



62.1659, 0.3164, 0.4848



19.7381, 0.2904, 0.3359



0.0000, 0.0000, 0.0000



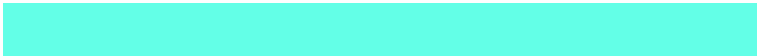
21.4041, 0.3127, 0.3290

Same Dimension

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



64.2550, 0.2554, 0.3522



79.9610, 0.2479, 0.3580



46.1482, 0.2368, 0.2771



16.2960, 0.3002, 0.3327



34.2688, 0.2385, 0.3785



2.5428, 0.2362, 0.3704

Inverse Universe

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



30.1175, 0.4341, 0.3089



31.7135, 0.4768, 0.3064



40.2090, 0.4318, 0.3736



14.4042, 0.3268, 0.3254



9.6065, 0.6178, 0.3177



0.7211, 0.5816, 0.2978

Previews

White Background



This preview shows how the Yxy color 64.2525, 0.2554, 0.3522 looks on a white background.

Color Contrast Check

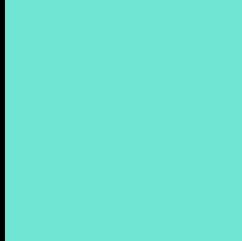
Large Text (above 18pt) WCAG AA × Fail

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 64.2525, 0.2554, 0.3522 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

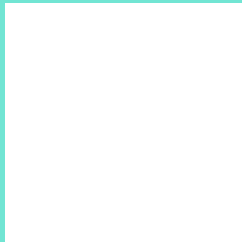
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.2525, 0.2554, 0.3522

Background



This preview shows how black text looks on a background with the Yxy color 64.2525, 0.2554, 0.3522.

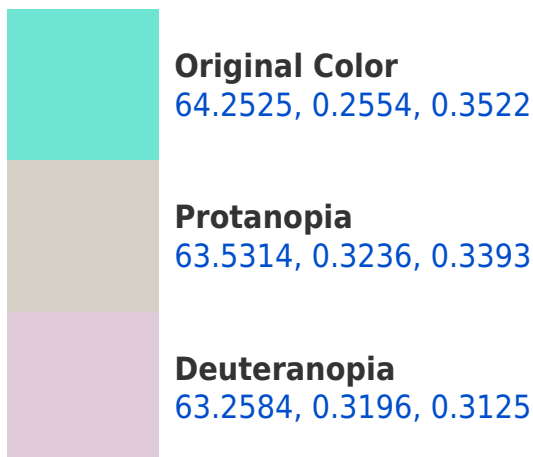


This preview shows how white text looks on a background with the Yxy color 64.2525, 0.2554, 0.3522.

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





Tritanopia

63.9331, 0.2439, 0.3067

Trichromacy



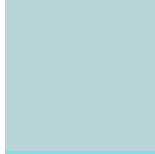
Original Color

64.2525, 0.2554, 0.3522



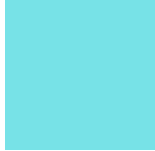
Protanomaly

62.7706, 0.2937, 0.3448



Deuteranomaly

62.1836, 0.2908, 0.3254



Tritanomaly

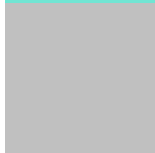
64.0842, 0.2478, 0.3225

Monochromacy



Original Color

64.2525, 0.2554, 0.3522



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

55.5727, 0.2862, 0.3366

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.2525, 0.2554, 0.3522 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, 229, 211)` looks like.

```
.text, #text, p{  
    color:rgb(113, 229, 211)  
}
```

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, 229, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 229, 211) }
```

Border

The CSS property to change the border of an element to Yxy 64.2525, 0.2554, 0.3522 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, 229, 211) }
```

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

```
.border{ border-color:rgb(113, 229, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 229, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 229, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 229, 211);  
box-shadow:4px 4px 4px 4px rgb(113, 229,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 64.2525, 0.2554, 0.3522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 229, 211) }
```

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

```
.background{ background-color: rgb(113,  
229, 211) }
```

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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