

Converting Colors

$Yxy(64.3909, 0.2736, 0.3552)$

Have a look what the booklet for
Yxy(64.3909, 0.2736, 0.3552)
contains.

Yxy(64.2779, 0.2735, 0.3542)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(64.2779, 0.2735, 0.3542)

Conversions

Conversions Part 1

Format	Color
Hex	91E1CD
RGB	145, 225, 205
RGB Percent	57%, 88%, 80%
CMY	0.4311, 0.1177, 0.1960
CMYK	0.36, 0.00, 0.09, 0.12
HSL	165°, 57%, 73%
HSV	165°, 36%, 88%
XYZ	49.6330, 64.2779, 67.5626
YIQ	198.8000, -41.2600, -23.1800

Conversions

Conversions Part 2

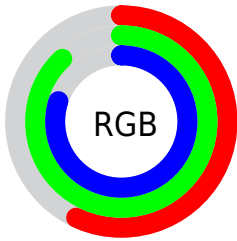
Format	Color
RYB	145, 191, 225
Decimal	9560525
CIELab	84.11, -28.87, 2.02
CIELCh	84, 28.943, 176.004
Yxy	64.2779, 0.2735, 0.3542
Android (android.graphics.Color)	4287750605 (0xFF91E1CD)
YUV	198.8000, 3.0566, -47.1826
Hunter-Lab	80.1735, -29.7997, 6.1575

Details

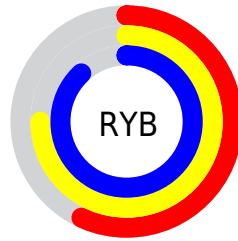
The Yxy color **64.2779, 0.2735, 0.3542** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **38.9971, 0.3760, 0.3056**, and the grayscale version is **56.9959, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1575, 0.2811, 0.3289**, and **32.7840, 0.2633, 0.3598** is the 20% darker color. If you saturate the color by 10%, you get **62.1670, 0.2647, 0.3626**, and if you desaturate by 10%, it is **66.8085, 0.2835, 0.3463**.

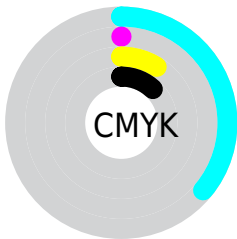
Distribution



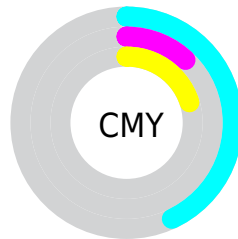
- Red (57%)
- Green (88%)
- Blue (80%)



- Red (57%)
- Yellow (75%)
- Blue (88%)



- Cyan (36%)
- Magenta (0%)
- Yellow (9%)
- Black (12%)




- Cyan (43%)
- Magenta (12%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.2779, 0.2735, 0.3542 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 64.2779, 0.2735, 0.3542 by changing the saturation by 10% instead.


 64.2779, 0.2735,
0.3542


 64.2779, 0.2735,
0.3542


440.1925, 0.2921,
0.3422

 46.8758, 0.2692,
0.3570


 111.0111, 0.2800,
0.3500

 32.9375, 0.2637,
0.3606


 141.1109, 0.2825,
0.3483

 22.0786, 0.2568,
0.3652


176.2121, 0.2847,
0.3469

 13.9146, 0.2476,
0.3713

216.6991, 0.2866,
0.3457

 8.0613, 0.2348,
0.3799

262.9562, 0.2882,
0.3447

 4.1342, 0.2158,
0.3928

315.3679, 0.2896,

 1.7489, 0.1848,

0.3438

0.4145

374.3185, 0.2909,
0.3429

■ 0.4550, 0.0000,
0.5621

■ 0.0000, 0.0000,
0.0000

■ 64.2779, 0.2735,
0.3542

■ 64.2779, 0.2735,
0.3542

■ 62.1670, 0.2647,
0.3626

■ 66.8085, 0.2835,
0.3463

■ 60.4440, 0.2575,
0.3715

■ 69.7731, 0.2945,
0.3390

■ 59.0848, 0.2521,
0.3807

■ 73.1950, 0.3061,
0.3324

■ 58.0593, 0.2486,
0.3900

■ 77.0933, 0.3181,
0.3264

■ 57.3327, 0.2471,
0.3994

■ 80.9958, 0.3285,
0.3210

■ 56.8619, 0.2475,
0.4087

■ 81.3225, 0.3247,
0.3155

■ 56.7015, 0.2480,
0.4129

■ 81.6595, 0.3210,
0.3100

■ 82.0069, 0.3173,
0.3046

■ 82.3252, 0.3141,
0.2999

Harmonies

Analogous

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



64.2779, 0.3066, 0.3830



64.2779, 0.2735, 0.3542



64.2779, 0.2515, 0.3189

Triad

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



64.2779, 0.2735, 0.3542



64.2779, 0.2805, 0.2706



64.2779, 0.3851, 0.3628

Complementary

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



64.2779, 0.2735, 0.3542



38.9971, 0.3760, 0.3056

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.



64.2779, 0.3778, 0.3335



64.2779, 0.2735, 0.3542



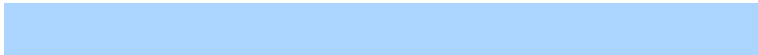
64.2779, 0.3156, 0.2823

Square

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



64.2779, 0.2735, 0.3542



64.2779, 0.2554, 0.2726



64.2779, 0.3517, 0.3047



64.2779, 0.3718, 0.3857

Rectangle

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



64.2779, 0.2735, 0.3542



64.2779, 0.2454, 0.2980



64.2779, 0.3517, 0.3047



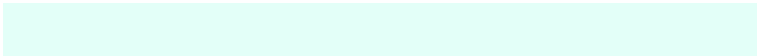
64.2779, 0.3850, 0.3534

Sweetspot

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



64.2805, 0.2735, 0.3542



94.6196, 0.2996, 0.3360



63.8967, 0.3212, 0.4314



20.1219, 0.2980, 0.3369



0.0000, 0.0000, 0.0000



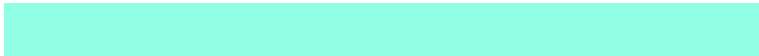
21.4041, 0.3127, 0.3290

Same Dimension

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



64.2805, 0.2735, 0.3542



83.1511, 0.2666, 0.3607



55.1300, 0.2594, 0.3035



15.5108, 0.3015, 0.3349



32.6968, 0.2476, 0.4114



2.2804, 0.2436, 0.3971

Inverse Universe

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



38.9971, 0.3760, 0.3056



44.6252, 0.3969, 0.3006



44.9817, 0.3893, 0.3528



13.7564, 0.3253, 0.3232



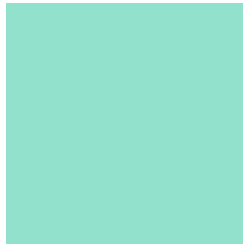
9.4058, 0.5922, 0.3036



0.6662, 0.5483, 0.2794

Previews

White Background



This preview shows how the Yxy color 64.2779, 0.2735, 0.3542 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 64.2779, 0.2735, 0.3542 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

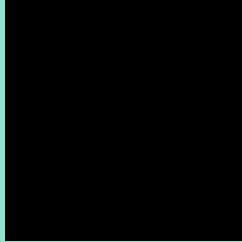
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

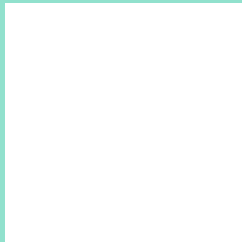
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.2779, 0.2735, 0.3542

Background



This preview shows how black text looks on a background with the Yxy color 64.2779, 0.2735, 0.3542.

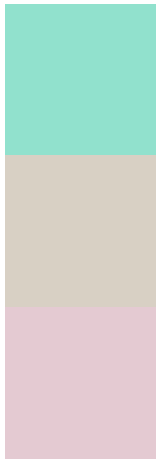


This preview shows how white text looks on a background with the Yxy color 64.2779, 0.2735, 0.3542.

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

64.2779, 0.2735, 0.3542

Protanopia

63.6962, 0.3274, 0.3427

Deuteranopia

63.3882, 0.3271, 0.3203



Tritanopia

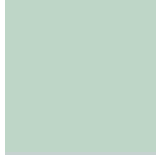
64.1318, 0.2595, 0.3073

Trichromacy



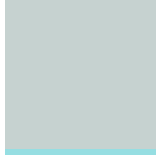
Original Color

64.2779, 0.2735, 0.3542



Protanomaly

63.1638, 0.3054, 0.3470



Deuteranomaly

62.6530, 0.3052, 0.3313



Tritanomaly

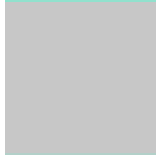
64.2176, 0.2645, 0.3240

Monochromacy



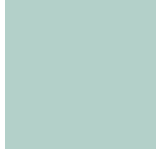
Original Color

64.2779, 0.2735, 0.3542



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

58.9125, 0.2962, 0.3376

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.2779, 0.2735, 0.3542 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(145, 225, 205)` looks like.

```
.text, #text, p{  
    color:rgb(145, 225, 205)  
}
```

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(145, 225, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 225, 205) }
```

Border

The CSS property to change the border of an element to Yxy 64.2779, 0.2735, 0.3542 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(145, 225, 205) }
```

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

```
.border{ border-color:rgb(145, 225, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 225, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(145, 225, 205); -webkit-box-shadow:4px 4px 4px 4px rgb(145, 225, 205); box-shadow:4px 4px 4px 4px rgb(145, 225, 205) }
```


Background

The CSS property to change the background color of an element to Yxy 64.2779, 0.2735, 0.3542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 225, 205) }
```

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

```
.background{ background-color: rgb(145,  
225, 205) }
```

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