

Converting Colors

$Y_{xy}(65.8852, 0.2527, 0.3430)$

Have a look what the booklet for
Yxy(65.8852, 0.2527, 0.3430)
contains.

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Color

Yxy(65.9640, 0.2524, 0.3428)

Conversions

Conversions Part 1

Format	Color
Hex	73E7DC
RGB	115, 231, 220
RGB Percent	45%, 91%, 86%
CMY	0.5489, 0.0941, 0.1372
CMYK	0.50, 0.00, 0.05, 0.09
HSL	174°, 71%, 68%
HSV	174°, 50%, 91%
XYZ	48.5686, 65.9640, 77.8945
YIQ	195.0620, -65.6050, -28.0130

Conversions

Conversions Part 2

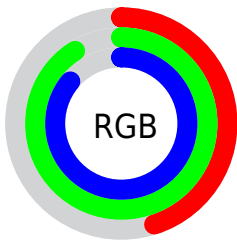
Format	Color
RYB	115, 176, 231
Decimal	7595996
CIELab	84.98, -35.51, -4.77
CIELCh	85, 35.831, 187.655
Yxy	65.9640, 0.2524, 0.3428
Android (android.graphics.Color)	4285786076 (0xFF73E7DC)
YUV	195.0620, 12.2944, -70.2144
Hunter-Lab	81.2182, -35.3887, -0.0109

Details

The Yxy color **65.9640, 0.2524, 0.3428** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **30.7635, 0.4416, 0.3170**, and the grayscale version is **54.5727, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.7387, 0.2671, 0.3289**, and **34.0547, 0.2381, 0.3460** is the 20% darker color. If you saturate the color by 10%, you get **64.4763, 0.2448, 0.3460**, and if you desaturate by 10%, it is **67.8507, 0.2618, 0.3397**.

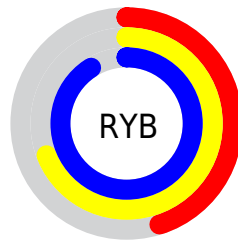
Distribution



Red (45%)

Green (91%)

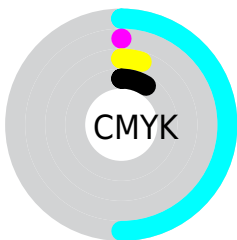
Blue (86%)



Red (45%)

Yellow (69%)

Blue (91%)

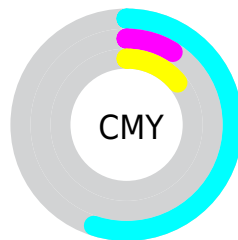


Cyan (50%)

Magenta (0%)

Yellow (5%)

Black (9%)



Cyan (55%)


Magenta (9%)

Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.9640, 0.2524, 0.3428 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 65.9640, 0.2524, 0.3428 by changing the saturation by 10% instead.


 65.9640, 0.2524,
0.3428


 65.9640, 0.2524,
0.3428


446.2481, 0.2804,
0.3367


 48.2432, 0.2460,
0.3441


 113.4347, 0.2621,
0.3408

 34.0195, 0.2381,
0.3456

 143.9533, 0.2659,
0.3400

 22.9086, 0.2281,
0.3475

 179.5066, 0.2692,
0.3393

 14.5260, 0.2151,
0.3498

220.4791, 0.2720,
0.3386

 8.4874, 0.1975,
0.3526

267.2551, 0.2745,
0.3381

 4.4084, 0.1725,
0.3559

320.2190, 0.2767,

 1.9045, 0.1339,

0.3376

379.7552, 0.2786,
0.3371

0.3597

0.5511, 0.0000,
0.3711

0.0000, 0.0000,
0.0000

65.9640, 0.2524,
0.3428

65.9640, 0.2524,
0.3428

64.4763, 0.2448,
0.3460

67.8507, 0.2618,
0.3397

63.3499, 0.2391,
0.3493


70.1555, 0.2728,
0.3368


62.5534, 0.2353,
0.3525


72.9054, 0.2851,
0.3340


62.0460, 0.2335,
0.3558


76.1229, 0.2984,
0.3314

 61.7612, 0.2330,
0.3589

 79.8290, 0.3124,
0.3290

 84.0436, 0.3269,
0.3269

 84.4287, 0.3264,
0.3248

 84.5561, 0.3250,
0.3226

 84.6851, 0.3236,
0.3205

Harmonies

Analogous

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



65.9640, 0.2880, 0.3843



65.9640, 0.2524, 0.3428



65.9640, 0.2332, 0.3003

Triad

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



65.9640, 0.2524, 0.3428



65.9640, 0.2887, 0.2622



65.9640, 0.3978, 0.3816

Complementary

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



65.9640, 0.2524, 0.3428



30.7635, 0.4416, 0.3170

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.



65.9640, 0.3994, 0.3477



65.9640, 0.2524, 0.3428



65.9640, 0.3337, 0.2817

Square

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



65.9640, 0.2524, 0.3428



65.9640, 0.2530, 0.2576



65.9640, 0.3753, 0.3121



65.9640, 0.3725, 0.4051

Rectangle

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



65.9640, 0.2524, 0.3428



65.9640, 0.2312, 0.2784



65.9640, 0.3753, 0.3121



65.9640, 0.4013, 0.3710

Sweetspot

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



65.9666, 0.2524, 0.3428



93.2223, 0.2918, 0.3326



62.8733, 0.3118, 0.4856



19.7733, 0.2890, 0.3332



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.



65.9666, 0.2524, 0.3428



80.6666, 0.2447, 0.3460



43.9517, 0.2353, 0.2668



16.3116, 0.2994, 0.3312



34.6345, 0.2329, 0.3584



2.5663, 0.2316, 0.3537

Inverse Universe

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



30.7635, 0.4416, 0.3170



32.0351, 0.4846, 0.3157



43.8631, 0.4255, 0.3819



14.3900, 0.3278, 0.3268



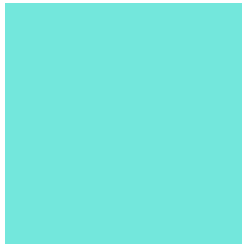
9.5644, 0.6290, 0.3239



0.7144, 0.6027, 0.3094

Previews

White Background



This preview shows how the Yxy color 65.9640, 0.2524, 0.3428 looks on a white background.

Color Contrast Check

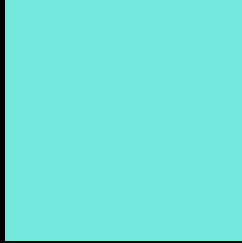
Large Text (above 18pt) WCAG AA × Fail

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 65.9640, 0.2524, 0.3428 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 65.9640, 0.2524, 0.3428

Background



This preview shows how black text looks on a background with the Yxy color 65.9640, 0.2524, 0.3428.



This preview shows how white text looks on a background with the Yxy color 65.9640, 0.2524, 0.3428.

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

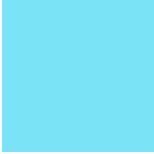
65.9640, 0.2524, 0.3428

Protanopia

65.0943, 0.3178, 0.3313

Deuteranopia

65.1612, 0.3130, 0.3062



Tritanopia

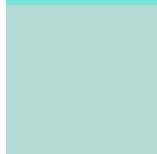
65.8029, 0.2429, 0.3058

Trichromacy



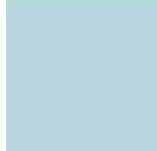
Original Color

65.9640, 0.2524, 0.3428



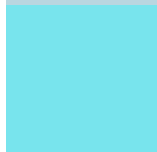
Protanomaly

64.4800, 0.2896, 0.3361



Deuteranomaly

63.7892, 0.2860, 0.3172



Tritanomaly

65.5943, 0.2459, 0.3177

Monochromacy



Original Color

65.9640, 0.2524, 0.3428



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

57.5784, 0.2853, 0.3340

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.9640, 0.2524, 0.3428 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(115, 231, 220)` looks like.

```
.text, #text, p{  
    color:rgb(115, 231, 220)  
}
```

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(115, 231, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 231, 220) }
```

Border

The CSS property to change the border of an element to Yxy 65.9640, 0.2524, 0.3428 is called "border". The border property can be set on classes, ids or directly on the HTML element.

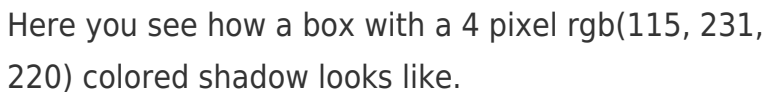
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(115, 231, 220) }
```

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

```
.border{ border-color:rgb(115, 231, 220) }
```

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



Here you see how a box with a 4 pixel rgb(115, 231, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 231, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 231, 220);  
box-shadow:4px 4px 4px 4px rgb(115, 231,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 65.9640, 0.2524, 0.3428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 231, 220) }
```

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

```
.background{ background-color: rgb(115,  
231, 220) }
```

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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