

Converting Colors

$Y_{xy}(73.1960, 0.2537, 0.3523)$

Have a look what the booklet for
Yxy(73.1960, 0.2537, 0.3523)
contains.

Yxy(73.1960, 0.2537, 0.3523)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(73.1960, 0.2537, 0.3523)

Conversions

Conversions Part 1

Format	Color
Hex	74F3E0
RGB	116, 243, 224
RGB Percent	45%, 95%, 88%
CMY	0.5449, 0.0471, 0.1216
CMYK	0.52, 0.00, 0.08, 0.05
HSL	171°, 84%, 70%
HSV	171°, 52%, 95%
XYZ	52.7103, 73.1960, 81.8598
YIQ	202.8610, -69.5930, -32.8330

Conversions

Conversions Part 2

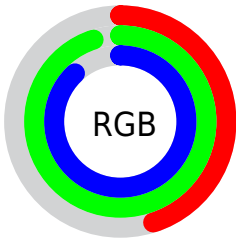
Format	Color
R _Y B	116, 185, 243
Decimal	7664608
CIE Lab	88.54, -39.82, -1.62
CIE LCh	89, 39.849, 182.323
Yxy	73.1960, 0.2537, 0.3523
Android (android.graphics.Color)	4285854688 (0xFF74F3E0)
YUV	202.8610, 10.4215, -76.1771
Hunter-Lab	85.5547, -39.7467, 3.1588

Details

The Yxy color **73.1960, 0.2537, 0.3523** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **33.3080, 0.4416, 0.3091**, and the grayscale version is **59.6037, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9701, 0.2681, 0.3289**, and **38.6354, 0.2401, 0.3569** is the 20% darker color. If you saturate the color by 10%, you get **71.5495, 0.2469, 0.3576**, and if you desaturate by 10%, it is **75.2879, 0.2623, 0.3472**.

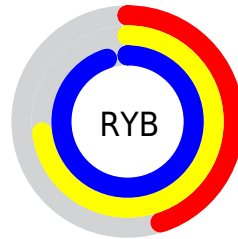
Distribution



Red (45%)

Green (95%)

Blue (88%)



Red (45%)

Yellow (73%)

Blue (95%)

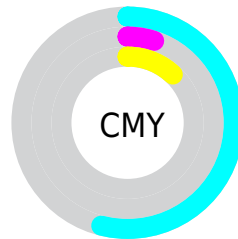


Cyan (52%)

Magenta (0%)

Yellow (8%)

Black (5%)



Cyan (54%)


Magenta (5%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.1960, 0.2537, 0.3523 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 73.1960, 0.2537, 0.3523 by changing the saturation by 10% instead.


 73.1960, 0.2537,
0.3523


 73.1960, 0.2537,
0.3523


471.6938, 0.2807,
0.3418

 54.1362, 0.2476,
0.3546


 123.7554, 0.2630,
0.3487

 38.7106, 0.2401,
0.3575


 156.0239, 0.2666,
0.3473

 26.5347, 0.2308,
0.3611


 193.4640, 0.2698,
0.3460

 17.2241, 0.2186,
0.3656

236.4602, 0.2725,
0.3450

 10.3944, 0.2025,
0.3717

285.3969, 0.2750,
0.3440

 5.6612, 0.1798,
0.3799

340.6585, 0.2771,

 2.6402, 0.1463,

0.3432

402.6293, 0.2790,
0.3424

0.3916

0.9469, 0.0000,
0.4508

0.0000, 0.0000,
0.0000

73.1960, 0.2537,
0.3523

73.1960, 0.2537,
0.3523

71.5495, 0.2469,
0.3576

75.2879, 0.2623,
0.3472

70.3052, 0.2420,
0.3629


77.8477, 0.2725,
0.3424

69.4257, 0.2391,
0.3683

80.9064, 0.2840,
0.3379


68.8630, 0.2381,
0.3736


84.4900, 0.2965,
0.3337

 68.5871, 0.2383,
0.3777

 88.6226, 0.3097,
0.3298

 92.0044, 0.3188,
0.3263

 92.2299, 0.3166,
0.3228

 92.4598, 0.3144,
0.3193

 92.5814, 0.3133,
0.3175

Harmonies

Analogous

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



73.1960, 0.2940, 0.3951



73.1960, 0.2537, 0.3523



73.1960, 0.2299, 0.3053

Triad

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



73.1960, 0.2537, 0.3523



73.1960, 0.2791, 0.2556



73.1960, 0.4064, 0.3790

Complementary

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



73.1960, 0.2537, 0.3523



33.3080, 0.4416, 0.3091

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.



73.1960, 0.4032, 0.3417



73.1960, 0.2537, 0.3523



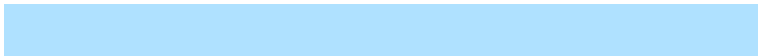
73.1960, 0.3264, 0.2739

Square

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



73.1960, 0.2537, 0.3523



73.1960, 0.2437, 0.2537



73.1960, 0.3730, 0.3044



73.1960, 0.3830, 0.4073

Rectangle

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



73.1960, 0.2537, 0.3523



73.1960, 0.2253, 0.2801



73.1960, 0.3730, 0.3044



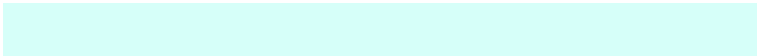
73.1960, 0.4085, 0.3670

Sweetspot

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



73.1989, 0.2537, 0.3523



92.6789, 0.2916, 0.3352



70.5221, 0.3151, 0.4914



19.6601, 0.2891, 0.3361



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.



73.1989, 0.2537, 0.3523



79.6843, 0.2464, 0.3580



50.8356, 0.2339, 0.2721



18.7126, 0.3001, 0.3326



37.6589, 0.2380, 0.3769



3.3212, 0.2362, 0.3702

Inverse Universe

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



33.3080, 0.4416, 0.3091



30.6456, 0.4865, 0.3070



45.6260, 0.4363, 0.3772



16.5230, 0.3270, 0.3255



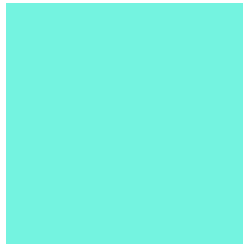
10.5412, 0.6195, 0.3186



0.9384, 0.5895, 0.3021

Previews

White Background



This preview shows how the Yxy color 73.1960, 0.2537, 0.3523 looks on a white background.

Color Contrast Check

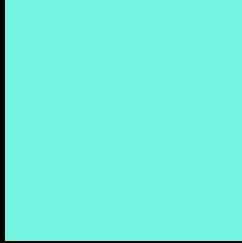
Large Text (above 18pt) WCAG AA × Fail

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 73.1960, 0.2537, 0.3523 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

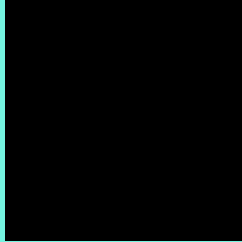
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.1960, 0.2537, 0.3523

Background



This preview shows how black text looks on a background with the Yxy color 73.1960, 0.2537, 0.3523.

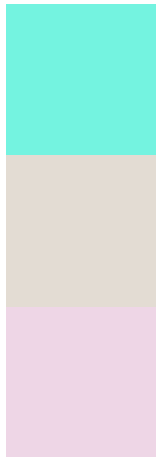


This preview shows how white text looks on a background with the Yxy color 73.1960, 0.2537, 0.3523.

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

73.1960, 0.2537, 0.3523

Protanopia

72.2204, 0.3238, 0.3388

Deuteranopia

71.9834, 0.3193, 0.3124



Tritanopia

73.0226, 0.2466, 0.3079

Trichromacy



Original Color

73.1960, 0.2537, 0.3523



Protanomaly

71.0095, 0.2927, 0.3428



Deuteranomaly

70.9212, 0.2900, 0.3255



Tritanomaly

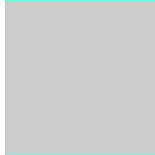
72.9318, 0.2490, 0.3229

Monochromacy



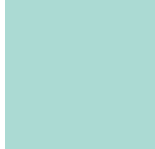
Original Color

73.1960, 0.2537, 0.3523



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

63.5039, 0.2849, 0.3375

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.1960, 0.2537, 0.3523 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(116, 243, 224)` looks like.

```
.text, #text, p{  
    color:rgb(116, 243, 224)  
}
```

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(116, 243, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 243, 224) }
```

Border

The CSS property to change the border of an element to Yxy 73.1960, 0.2537, 0.3523 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(116, 243, 224) }
```

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

```
.border{ border-color:rgb(116, 243, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 243, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 243, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 243, 224);  
box-shadow:4px 4px 4px 4px rgb(116, 243,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 73.1960, 0.2537, 0.3523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 243, 224) }
```

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

```
.background{ background-color: rgb(116,  
243, 224) }
```

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