

Converting Colors

$Yxy(63.1361, 0.2569, 0.3408)$

Have a look what the booklet for
Yxy(63.1361, 0.2569, 0.3408)
contains.

Yxy(63.0934, 0.2570, 0.3404)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(63.0934, 0.2570, 0.3404)

Conversions

Conversions Part 1

Format	Color
Hex	7CE1D8
RGB	124, 225, 216
RGB Percent	49%, 88%, 85%
CMY	0.5135, 0.1176, 0.1530
CMYK	0.45, 0.00, 0.04, 0.12
HSL	175°, 63%, 68%
HSV	175°, 45%, 88%
XYZ	47.6351, 63.0934, 74.6222
YIQ	193.7750, -57.3070, -24.2110

Conversions

Conversions Part 2

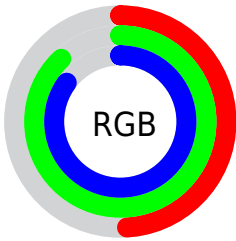
Format	Color
RYB	124, 177, 225
Decimal	8184280
CIELab	83.49, -31.68, -4.80
CIELCh	83, 32.043, 188.607
Yxy	63.0934, 0.2570, 0.3404
Android (android.graphics.Color)	4286374360 (0xFF7CE1D8)
YUV	193.7750, 10.9569, -61.1927
Hunter-Lab	79.4314, -31.9581, -0.0984

Details

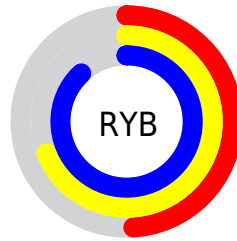
The Yxy color **63.0934, 0.2570, 0.3404** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.1301, 0.4216, 0.3187**, and the grayscale version is **53.7754, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6851, 0.2711, 0.3289**, and **32.0730, 0.2436, 0.3427** is the 20% darker color. If you saturate the color by 10%, you get **61.5024, 0.2484, 0.3434**, and if you desaturate by 10%, it is **65.0731, 0.2673, 0.3376**.

Distribution



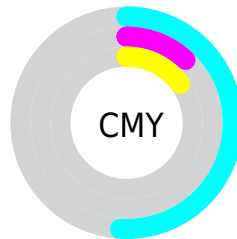
- Red (49%)
- Green (88%)
- Blue (85%)



- Red (49%)
- Yellow (69%)
- Blue (88%)



- Cyan (45%)
- Magenta (0%)
- Yellow (4%)
- Black (12%)




- Cyan (51%)
- Magenta (12%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.0934, 0.2570, 0.3404 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 63.0934, 0.2570, 0.3404 by changing the saturation by 10% instead.


 63.0934, 0.2570,
0.3404


 63.0934, 0.2570,
0.3404

435.9084, 0.2831,
0.3354

 45.9168, 0.2510,
0.3415


 109.3042, 0.2661,
0.3387

 32.1801, 0.2435,
0.3427


 139.1073, 0.2696,
0.3380

 21.4991, 0.2340,
0.3443


 173.8879, 0.2727,
0.3375

 13.4893, 0.2215,
0.3462

214.0304, 0.2753,
0.3370

 7.7664, 0.2045,
0.3485

259.9194, 0.2776,
0.3365

 3.9458, 0.1799,
0.3511

311.9391, 0.2797,

 1.6433, 0.1394,

0.3361

370.4739, 0.2815,
0.3357

0.3546

0.3865, 0.0000,
0.3383

0.0000, 0.0000,
0.0000

63.0934, 0.2570,
0.3404

63.0934, 0.2570,
0.3404

61.5024, 0.2484,
0.3434

65.0731, 0.2673,
0.3376

60.2662, 0.2416,
0.3464


67.4579, 0.2791,
0.3349


59.3578, 0.2368,
0.3495

70.2723, 0.2920,
0.3324


58.7425, 0.2338,
0.3525


73.5365, 0.3058,
0.3300

 58.3783, 0.2327,
0.3556

 77.2696, 0.3201,
0.3280

 58.2534, 0.2325,
0.3571

 80.7137, 0.3319,
0.3260

 80.8260, 0.3306,
0.3240

 80.9396, 0.3292,
0.3220

 81.0544, 0.3279,
0.3201

Harmonies

Analogous

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



63.0934, 0.2893, 0.3778



63.0934, 0.2570, 0.3404



63.0934, 0.2398, 0.3022

Triad

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



63.0934, 0.2570, 0.3404



63.0934, 0.2923, 0.2682



63.0934, 0.3897, 0.3782

Complementary

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



63.0934, 0.2570, 0.3404



32.1301, 0.4216, 0.3187

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.



63.0934, 0.3916, 0.3475



63.0934, 0.2570, 0.3404



63.0934, 0.3332, 0.2865

Square

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



63.0934, 0.2570, 0.3404



63.0934, 0.2591, 0.2636



63.0934, 0.3705, 0.3148



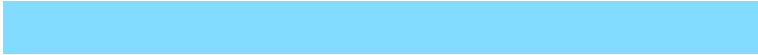
63.0934, 0.3663, 0.3986

Rectangle

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



63.0934, 0.2570, 0.3404



63.0934, 0.2383, 0.2824



63.0934, 0.3705, 0.3148



63.0934, 0.3929, 0.3687

Sweetspot

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



63.0959, 0.2570, 0.3404



94.0567, 0.2944, 0.3319



60.3867, 0.3123, 0.4666



19.9383, 0.2914, 0.3325



0.0000, 0.0000, 0.0000



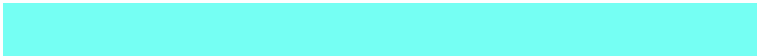
21.4041, 0.3127, 0.3290

Same Dimension

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



63.0959, 0.2570, 0.3404



81.7759, 0.2488, 0.3432



44.2636, 0.2431, 0.2747



15.5501, 0.2994, 0.3311



33.5775, 0.2324, 0.3566



2.3337, 0.2311, 0.3519

Inverse Universe

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



32.1301, 0.4216, 0.3187



35.6535, 0.4593, 0.3171



44.1686, 0.4096, 0.3766



13.7203, 0.3278, 0.3269



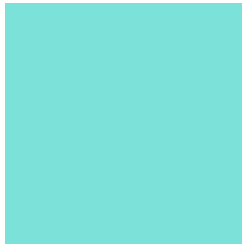
9.2608, 0.6296, 0.3242



0.6489, 0.6031, 0.3096

Previews

White Background



This preview shows how the Yxy color 63.0934, 0.2570, 0.3404 looks on a white background.

Color Contrast Check

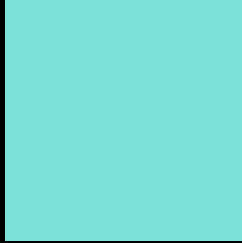
Large Text (above 18pt) WCAG AA × Fail

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 63.0934, 0.2570, 0.3404 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

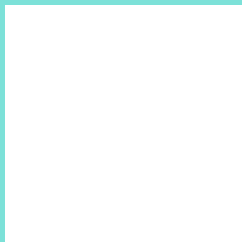
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.0934, 0.2570, 0.3404

Background



This preview shows how black text looks on a background with the Yxy color 63.0934, 0.2570, 0.3404.

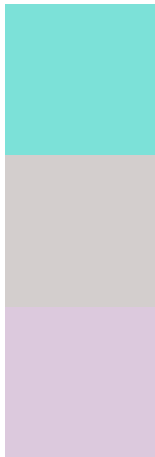


This preview shows how white text looks on a background with the Yxy color 63.0934, 0.2570, 0.3404.

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

63.0934, 0.2570, 0.3404

Protanopia

62.3993, 0.3172, 0.3302

Deuteranopia

62.2094, 0.3130, 0.3069



Tritanopia

62.7702, 0.2482, 0.3067

Trichromacy



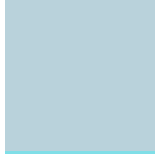
Original Color

63.0934, 0.2570, 0.3404



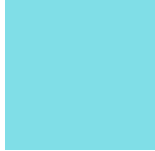
Protanomaly

61.7757, 0.2912, 0.3338



Deuteranomaly

61.5219, 0.2889, 0.3183



Tritanomaly

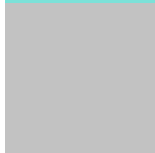
62.6013, 0.2508, 0.3176

Monochromacy



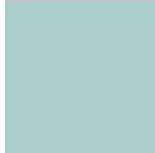
Original Color

63.0934, 0.2570, 0.3404



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

56.3619, 0.2884, 0.3327

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.0934, 0.2570, 0.3404 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(124, 225, 216)` looks like.

```
.text, #text, p{  
    color:rgb(124, 225, 216)  
}
```

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(124, 225, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 225, 216) }
```

Border

The CSS property to change the border of an element to Yxy 63.0934, 0.2570, 0.3404 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(124, 225, 216) }
```

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

```
.border{ border-color:rgb(124, 225, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 225, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(124, 225, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(124, 225, 216); box-shadow:4px 4px 4px 4px rgb(124, 225, 216) }
```


Background

The CSS property to change the background color of an element to Yxy 63.0934, 0.2570, 0.3404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 225, 216) }
```

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

```
.background{ background-color: rgb(124,  
225, 216) }
```

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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