

Converting Colors

$Yxy(64.6321, 0.2637, 0.3419)$

Have a look what the booklet for
Yxy(64.6321, 0.2637, 0.3419)
contains.

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Color

Yxy(64.6689, 0.2635, 0.3415)

Conversions

Conversions Part 1

Format	Color
Hex	89E2D8
RGB	137, 226, 216
RGB Percent	54%, 89%, 85%
CMY	0.4629, 0.1137, 0.1530
CMYK	0.39, 0.00, 0.04, 0.11
HSL	173°, 61%, 71%
HSV	173°, 39%, 89%
XYZ	49.8983, 64.6689, 74.8000
YIQ	198.2490, -49.8340, -21.9780

Conversions

Conversions Part 2

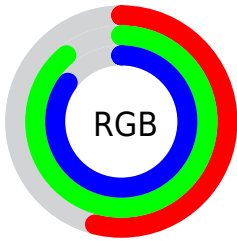
Format	Color
RYB	137, 184, 226
Decimal	9036504
CIELab	84.31, -29.03, -3.52
CIELCh	84, 29.242, 186.913
Yxy	64.6689, 0.2635, 0.3415
Android (android.graphics.Color)	4287226584 (0xFF89E2D8)
YUV	198.2490, 8.7512, -53.7154
Hunter-Lab	80.4170, -29.9715, 1.1431

Details

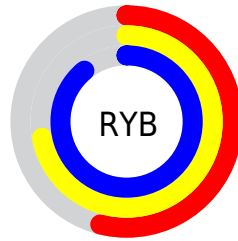
The Yxy color **64.6689, 0.2635, 0.3415** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **36.1545, 0.4001, 0.3174**, and the grayscale version is **56.5933, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2093, 0.2773, 0.3289**, and **33.0720, 0.2518, 0.3441** is the 20% darker color. If you saturate the color by 10%, you get **62.8274, 0.2541, 0.3452**, and if you desaturate by 10%, it is **66.9176, 0.2744, 0.3380**.

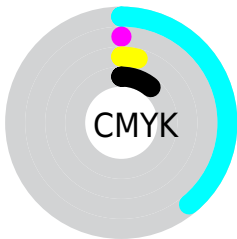
Distribution



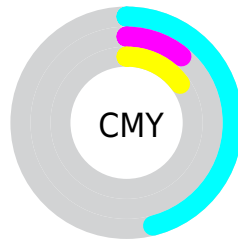
- Red (54%)
- Green (89%)
- Blue (85%)



- Red (54%)
- Yellow (72%)
- Blue (89%)



- Cyan (39%)
- Magenta (0%)
- Yellow (4%)
- Black (11%)





- Cyan (46%)
- Magenta (11%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.6689, 0.2635, 0.3415 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 64.6689, 0.2635, 0.3415 by changing the saturation by 10% instead.


 64.6689, 0.2635,
0.3415


 64.6689, 0.2635,
0.3415


441.6012, 0.2865,
0.3359

 47.1927, 0.2582,
0.3427


 111.5737, 0.2715,
0.3396

 33.1880, 0.2516,
0.3443


 141.7711, 0.2746,
0.3388

 22.2705, 0.2432,
0.3461


 176.9776, 0.2773,
0.3382

 14.0558, 0.2322,
0.3485

217.5776, 0.2796,
0.3376

 8.1595, 0.2171,
0.3516

263.9556, 0.2817,
0.3371

 4.1972, 0.1953,
0.3556

316.4959, 0.2835,

 1.7845, 0.1613,

0.3366

375.5830, 0.2851,
0.3362

0.3609

0.4775, 0.0000,
0.3840

0.0000, 0.0000,
0.0000

64.6689, 0.2635,
0.3415

64.6689, 0.2635,
0.3415

62.8274, 0.2541,
0.3452

66.9176, 0.2744,
0.3380

61.3602, 0.2465,
0.3490

69.5887, 0.2866,
0.3347

60.2417, 0.2407,
0.3529

72.7061, 0.2997,
0.3316

59.4400, 0.2370,
0.3569

76.2897, 0.3135,
0.3288

■ 58.9173, 0.2351,
0.3608

■ 80.3580, 0.3278,
0.3263

■ 58.6118, 0.2347,
0.3647

■ 81.4451, 0.3296,
0.3238

■ 58.5960, 0.2347,
0.3649

■ 81.5903, 0.3279,
0.3213

■ 81.7377, 0.3262,
0.3188

■ 81.8871, 0.3245,
0.3163

Harmonies

Analogous

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



64.6689, 0.2936, 0.3745



64.6689, 0.2635, 0.3415



64.6689, 0.2468, 0.3068

Triad

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



64.6689, 0.2635, 0.3415



64.6689, 0.2923, 0.2729



64.6689, 0.3831, 0.3726

Complementary

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



64.6689, 0.2635, 0.3415



36.1545, 0.4001, 0.3174

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.



64.6689, 0.3835, 0.3445



64.6689, 0.2635, 0.3415



64.6689, 0.3293, 0.2891

Square

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



64.6689, 0.2635, 0.3415



64.6689, 0.2626, 0.2697



64.6689, 0.3634, 0.3146



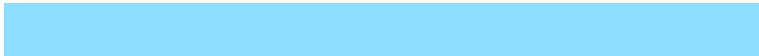
64.6689, 0.3630, 0.3914

Rectangle

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



64.6689, 0.2635, 0.3415



64.6689, 0.2447, 0.2882



64.6689, 0.3634, 0.3146



64.6689, 0.3856, 0.3639

Sweetspot

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



64.6715, 0.2635, 0.3415



94.4311, 0.2961, 0.3324



62.4401, 0.3137, 0.4472



20.0940, 0.2944, 0.3328



0.0000, 0.0000, 0.0000



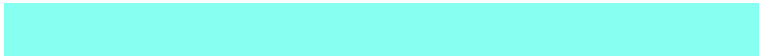
21.4041, 0.3127, 0.3290

Same Dimension

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



64.6715, 0.2635, 0.3415



83.0635, 0.2559, 0.3444



48.4496, 0.2516, 0.2844



15.5443, 0.2997, 0.3316



33.4353, 0.2345, 0.3643



2.3252, 0.2329, 0.3583

Inverse Universe

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



36.1545, 0.4001, 0.3174



40.7889, 0.4277, 0.3153



47.1363, 0.3952, 0.3692



13.7255, 0.3274, 0.3264



9.2742, 0.6259, 0.3222



0.6513, 0.5943, 0.3048

Previews

White Background



This preview shows how the Yxy color 64.6689, 0.2635, 0.3415 looks on a white background.

Color Contrast Check

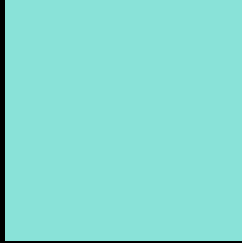
Large Text (above 18pt) WCAG AA × Fail

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 64.6689, 0.2635, 0.3415 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

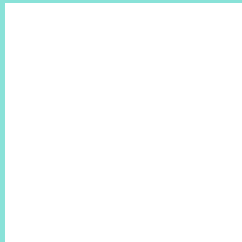
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.6689, 0.2635, 0.3415

Background



This preview shows how black text looks on a background with the Yxy color 64.6689, 0.2635, 0.3415.

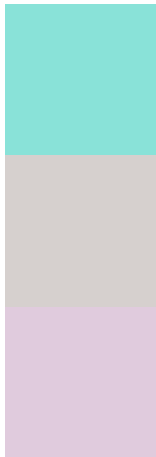


This preview shows how white text looks on a background with the Yxy color 64.6689, 0.2635, 0.3415.

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

64.6689, 0.2635, 0.3415

Protanopia

63.8641, 0.3187, 0.3313

Deuteranopia

63.7796, 0.3159, 0.3093



Tritanopia

64.3735, 0.2537, 0.3071

Trichromacy



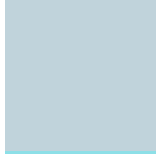
Original Color

64.6689, 0.2635, 0.3415



Protanomaly

63.6931, 0.2954, 0.3349



Deuteranomaly

62.9095, 0.2937, 0.3196



Tritanomaly

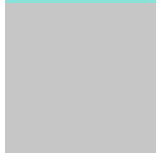
64.2076, 0.2573, 0.3190

Monochromacy



Original Color

64.6689, 0.2635, 0.3415



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

58.7496, 0.2915, 0.3326

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.6689, 0.2635, 0.3415 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(137, 226, 216)` looks like.

```
.text, #text, p{  
    color:rgb(137, 226, 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(137, 226, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 226, 216) }
```

Border

The CSS property to change the border of an element to Yxy 64.6689, 0.2635, 0.3415 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(137, 226, 216) }
```

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

```
.border{ border-color:rgb(137, 226, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 226, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 226, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 226, 216); box-shadow:4px 4px 4px 4px rgb(137, 226, 216) }
```


Background

The CSS property to change the background color of an element to Yxy 64.6689, 0.2635, 0.3415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 226, 216) }
```

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

```
.background{ background-color: rgb(137,  
226, 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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