

Converting Colors

$Y_{xy}(72.5528, 0.2640, 0.3408)$

Have a look what the booklet for
Yxy(72.5528, 0.2640, 0.3408)
contains.

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Color

Yxy(72.8615, 0.2640, 0.3408)

Conversions

Conversions Part 1

Format	Color
Hex	92EEE4
RGB	146, 238, 228
RGB Percent	57%, 93%, 89%
CMY	0.4272, 0.0667, 0.1059
CMYK	0.39, 0.00, 0.04, 0.07
HSL	173°, 73%, 75%
HSV	173°, 39%, 93%
XYZ	56.4420, 72.8615, 84.4920
YIQ	209.3520, -51.6220, -22.6140

Conversions

Conversions Part 2

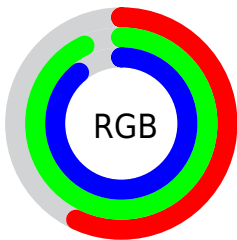
Format	Color
RYB	146, 195, 238
Decimal	9629412
CIELab	88.38, -29.65, -3.82
CIELCh	88, 29.899, 187.338
Yxy	72.8615, 0.2640, 0.3408
Android (android.graphics.Color)	4287819492 (0xFF92EEE4)
YUV	209.3520, 9.1935, -55.5597
Hunter-Lab	85.3589, -31.3484, 1.0635

Details

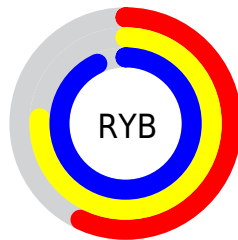
The Yxy color **72.8615, 0.2640, 0.3408** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **41.1584, 0.3983, 0.3180**, and the grayscale version is **63.9784, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.4365, 0.2822, 0.3289**, and **38.5969, 0.2524, 0.3432** is the 20% darker color. If you saturate the color by 10%, you get **70.7618, 0.2544, 0.3444**, and if you desaturate by 10%, it is **75.4232, 0.2751, 0.3374**.

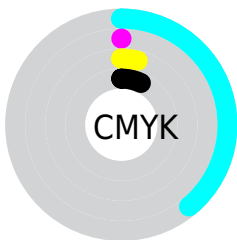
Distribution



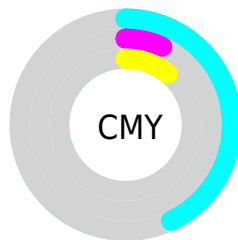
- Red (57%)
- Green (93%)
- Blue (89%)



- Red (57%)
- Yellow (76%)
- Blue (93%)



- Cyan (39%)
- Magenta (0%)
- Yellow (4%)
- Black (7%)





- Cyan (43%)
- Magenta (7%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.8615, 0.2640, 0.3408 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 72.8615, 0.2640, 0.3408 by changing the saturation by 10% instead.


 72.8615, 0.2640,
0.3408

 72.8615, 0.2640,
0.3408

470.5347, 0.2863,
0.3356

 53.8627, 0.2590,
0.3419

 123.2806, 0.2717,
0.3391

 38.4919, 0.2528,
0.3433


 155.4697, 0.2747,
0.3384

 26.3647, 0.2450,
0.3449


192.8243, 0.2773,
0.3378

 17.0967, 0.2349,
0.3469

235.7289, 0.2796,
0.3372

 10.3034, 0.2214,
0.3496

284.5678, 0.2815,
0.3368

 5.6006, 0.2024,
0.3529

339.7255, 0.2833,

 2.6038, 0.1738,

0.3363

401.5863, 0.2849,
0.3360

0.3572

0.9286, 0.0659,
0.3871

0.0000, 0.0000,
0.0000

72.8615, 0.2640,
0.3408

72.8615, 0.2640,
0.3408

70.7618, 0.2544,
0.3444

75.4232, 0.2751,
0.3374

69.0869, 0.2466,
0.3481

78.4642, 0.2874,
0.3342


67.8083, 0.2407,
0.3518

82.0112, 0.3007,
0.3313

66.8899, 0.2368,
0.3556


86.0868, 0.3147,
0.3286


 66.2894, 0.2348,
0.3594


 88.7518, 0.3222,
0.3262

 65.9445, 0.2344,
0.3631

 88.9073, 0.3206,
0.3237

 65.9054, 0.2343,
0.3636

 89.0651, 0.3190,
0.3212

 89.2251, 0.3174,
0.3187

 89.3873, 0.3158,
0.3162

Harmonies

Analogous

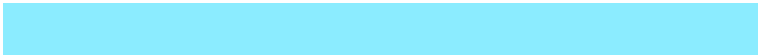
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.8615, 0.2934, 0.3733



72.8615, 0.2640, 0.3408



72.8615, 0.2477, 0.3068

Triad

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



72.8615, 0.2640, 0.3408



72.8615, 0.2932, 0.2740



72.8615, 0.3817, 0.3723

Complementary

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



72.8615, 0.2640, 0.3408



41.1584, 0.3983, 0.3180

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.



72.8615, 0.3824, 0.3447



72.8615, 0.2640, 0.3408



72.8615, 0.3296, 0.2900

Square

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



72.8615, 0.2640, 0.3408



72.8615, 0.2638, 0.2706



72.8615, 0.3629, 0.3153



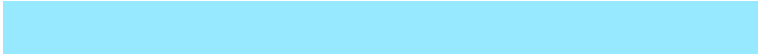
72.8615, 0.3618, 0.3905

Rectangle

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



72.8615, 0.2640, 0.3408



72.8615, 0.2459, 0.2886



72.8615, 0.3629, 0.3153



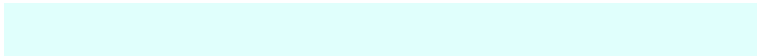
72.8615, 0.3843, 0.3637

Sweetspot

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



72.8644, 0.2640, 0.3408



94.4390, 0.2961, 0.3323



70.3701, 0.3137, 0.4448



20.0959, 0.2943, 0.3327



0.0000, 0.0000, 0.0000



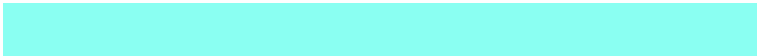
21.4041, 0.3127, 0.3290

Same Dimension

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



72.8644, 0.2640, 0.3408



83.3240, 0.2566, 0.3435



54.8874, 0.2526, 0.2853



17.8977, 0.2995, 0.3316



36.7829, 0.2342, 0.3630



3.0684, 0.2328, 0.3581

Inverse Universe

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



41.1584, 0.3983, 0.3180



41.5673, 0.4245, 0.3161



53.4270, 0.3934, 0.3685



15.7867, 0.3276, 0.3265



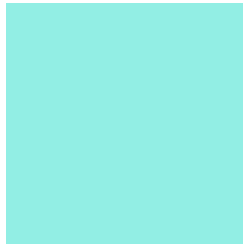
10.1913, 0.6271, 0.3228



0.8570, 0.6008, 0.3084

Previews

White Background



This preview shows how the Yxy color 72.8615, 0.2640, 0.3408 looks on a white background.

Color Contrast Check

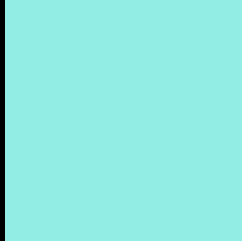
Large Text (above 18pt) WCAG AA × Fail

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 72.8615, 0.2640, 0.3408 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 72.8615, 0.2640, 0.3408

Background



This preview shows how black text looks on a background with the Yxy color 72.8615, 0.2640, 0.3408.

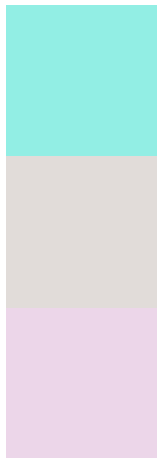


This preview shows how white text looks on a background with the Yxy color 72.8615, 0.2640, 0.3408.

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

72.8615, 0.2640, 0.3408

Protanopia

72.2037, 0.3183, 0.3323

Deuteranopia

71.8092, 0.3158, 0.3092



Tritanopia

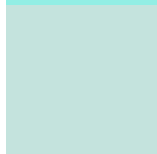
72.7098, 0.2546, 0.3071

Trichromacy



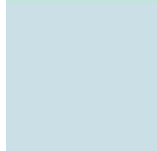
Original Color

72.8615, 0.2640, 0.3408



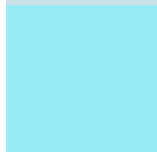
Protanomaly

71.8944, 0.2955, 0.3358



Deuteranomaly

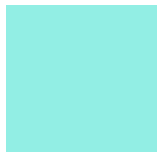
71.2414, 0.2940, 0.3201



Tritanomaly

72.4323, 0.2576, 0.3183

Monochromacy



Original Color

72.8615, 0.2640, 0.3408



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

66.5834, 0.2918, 0.3336

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.8615, 0.2640, 0.3408 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(146, 238, 228)` looks like.

```
.text, #text, p{  
    color:rgb(146, 238, 228)  
}
```

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(146, 238, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 238, 228) }
```

Border

The CSS property to change the border of an element to Yxy 72.8615, 0.2640, 0.3408 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(146, 238, 228) }
```

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

```
.border{ border-color:rgb(146, 238, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 238, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 238, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 238, 228);  
box-shadow:4px 4px 4px 4px rgb(146, 238,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 72.8615, 0.2640, 0.3408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 238, 228) }
```

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

```
.background{ background-color: rgb(146,  
238, 228) }
```

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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