

Converting Colors

$Y_{xy}(72.2593, 0.2541, 0.3444)$

Have a look what the booklet for
Yxy(72.2593, 0.2541, 0.3444)
contains.

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Color

Yxy(72.1326, 0.2540, 0.3435)

Conversions

Conversions Part 1

Format	Color
Hex	7BF0E4
RGB	123, 240, 228
RGB Percent	48%, 94%, 89%
CMY	0.5175, 0.0588, 0.1058
CMYK	0.49, 0.00, 0.05, 0.06
HSL	174°, 80%, 71%
HSV	174°, 49%, 94%
XYZ	53.3382, 72.1326, 84.5222
YIQ	203.6490, -65.8800, -28.5360

Conversions

Conversions Part 2

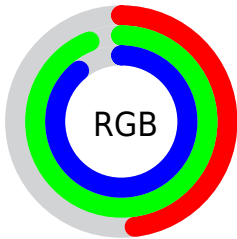
Format	Color
R _Y B	123, 185, 240
Decimal	8122596
CIE Lab	88.03, -36.00, -4.44
CIE LCh	88, 36.271, 187.036
Yxy	72.1326, 0.2540, 0.3435
Android (android.graphics.Color)	4286312676 (0xFF7BF0E4)
YUV	203.6490, 12.0050, -70.7292
Hunter-Lab	84.9309, -36.5277, 0.4470

Details

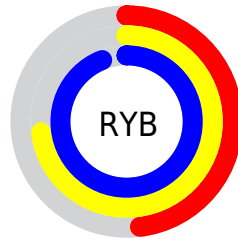
The Yxy color **72.1326, 0.2540, 0.3435** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **34.4521, 0.4351, 0.3163**, and the grayscale version is **60.1134, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6851, 0.2711, 0.3289**, and **37.8448, 0.2402, 0.3452** is the 20% darker color. If you saturate the color by 10%, you get **70.4407, 0.2462, 0.3470**, and if you desaturate by 10%, it is **74.2659, 0.2636, 0.3402**.

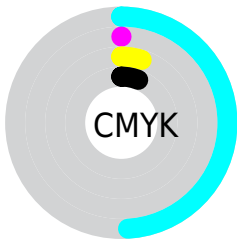
Distribution



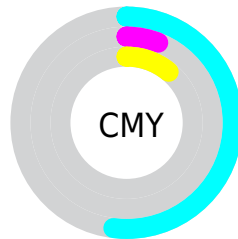
- Red (48%)
- Green (94%)
- Blue (89%)



- Red (48%)
- Yellow (73%)
- Blue (94%)



- Cyan (49%)
- Magenta (0%)
- Yellow (5%)
- Black (6%)





- Cyan (52%)
- Magenta (6%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.1326, 0.2540, 0.3435 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 72.1326, 0.2540, 0.3435 by changing the saturation by 10% instead.


 72.1326, 0.2540,
0.3435


 72.1326, 0.2540,
0.3435


468.0030, 0.2809,
0.3372


 53.2670, 0.2480,
0.3448

 122.2450, 0.2632,
0.3414

 38.0160, 0.2405,
0.3465


 154.2607, 0.2669,
0.3405

 25.9951, 0.2312,
0.3484


 191.4284, 0.2700,
0.3398

 16.8200, 0.2192,
0.3508

234.1327, 0.2727,
0.3392

 10.1062, 0.2032,
0.3538

282.7579, 0.2751,
0.3386

 5.4694, 0.1808,
0.3575

337.6884, 0.2772,

 2.5252, 0.1478,

0.3381

399.3087, 0.2791,
0.3376

0.3618

0.8892, 0.0000,
0.4036

0.0000, 0.0000,
0.0000

72.1326, 0.2540,
0.3435

72.1326, 0.2540,
0.3435

70.4407, 0.2462,
0.3470

74.2659, 0.2636,
0.3402

69.1496, 0.2403,
0.3505


76.8611, 0.2747,
0.3370


68.2251, 0.2363,
0.3541


79.9477, 0.2871,
0.3340

67.6239, 0.2342,
0.3576


83.5500, 0.3005,
0.3312

 67.2820, 0.2338,
0.3611


 87.6910, 0.3145,
0.3287

 67.2463, 0.2338,
0.3616

 90.0357, 0.3209,
0.3263

 90.1851, 0.3194,
0.3240

 90.3364, 0.3179,
0.3216

 90.4898, 0.3164,
0.3192

Harmonies

Analogous

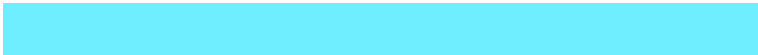
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.1326, 0.2893, 0.3840



72.1326, 0.2540, 0.3435



72.1326, 0.2347, 0.3016

Triad

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



72.1326, 0.2540, 0.3435



72.1326, 0.2883, 0.2630



72.1326, 0.3967, 0.3802

Complementary

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



72.1326, 0.2540, 0.3435



34.4521, 0.4351, 0.3163

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.



72.1326, 0.3976, 0.3467



72.1326, 0.2540, 0.3435



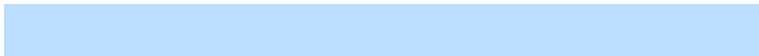
72.1326, 0.3325, 0.2820

Square

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



72.1326, 0.2540, 0.3435



72.1326, 0.2534, 0.2588



72.1326, 0.3735, 0.3117



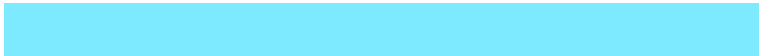
72.1326, 0.3722, 0.4035

Rectangle

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



72.1326, 0.2540, 0.3435



72.1326, 0.2324, 0.2799



72.1326, 0.3735, 0.3117



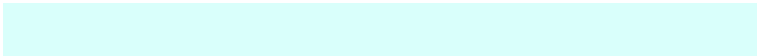
72.1326, 0.3999, 0.3697

Sweetspot

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



72.1354, 0.2540, 0.3435



93.2036, 0.2919, 0.3329



69.0421, 0.3131, 0.4803



19.7688, 0.2891, 0.3335



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.



72.1354, 0.2540, 0.3435



80.9344, 0.2465, 0.3468



49.6101, 0.2377, 0.2714



17.8994, 0.2995, 0.3314



36.8241, 0.2336, 0.3610



3.0714, 0.2323, 0.3564

Inverse Universe

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



34.4521, 0.4351, 0.3163



33.2076, 0.4742, 0.3147



47.9160, 0.4226, 0.3785



15.7851, 0.3277, 0.3266



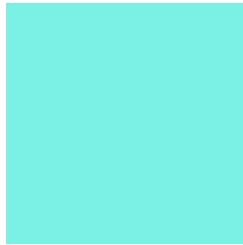
10.1874, 0.6281, 0.3234



0.8562, 0.6029, 0.3095

Previews

White Background



This preview shows how the Yxy color 72.1326, 0.2540, 0.3435 looks on a white background.

Color Contrast Check

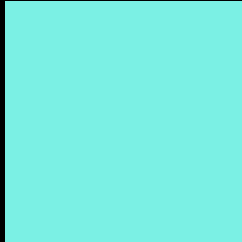
Large Text (above 18pt) WCAG AA × Fail

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 72.1326, 0.2540, 0.3435 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

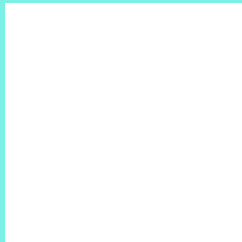
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.1326, 0.2540, 0.3435

Background



This preview shows how black text looks on a background with the Yxy color 72.1326, 0.2540, 0.3435.



This preview shows how white text looks on a background with the Yxy color 72.1326, 0.2540, 0.3435.

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

72.1326, 0.2540, 0.3435

Protanopia

70.9480, 0.3184, 0.3312

Deuteranopia

71.0214, 0.3137, 0.3070



Tritanopia

72.1164, 0.2448, 0.3067

Trichromacy



Original Color

72.1326, 0.2540, 0.3435



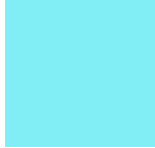
Protanomaly

70.1248, 0.2903, 0.3359



Deuteranomaly

70.0709, 0.2875, 0.3188



Tritanomaly

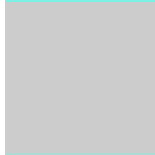
71.8281, 0.2481, 0.3193

Monochromacy



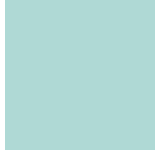
Original Color

72.1326, 0.2540, 0.3435



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

63.5438, 0.2863, 0.3338

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.1326, 0.2540, 0.3435 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(123, 240, 228)` looks like.

```
.text, #text, p{  
    color:rgb(123, 240, 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(123, 240, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 240, 228) }
```

Border

The CSS property to change the border of an element to Yxy 72.1326, 0.2540, 0.3435 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(123, 240, 228) }
```

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

```
.border{ border-color:rgb(123, 240, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 240, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 240, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 240, 228);  
box-shadow:4px 4px 4px 4px rgb(123, 240,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 72.1326, 0.2540, 0.3435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 240, 228) }
```

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

```
.background{ background-color: rgb(123,  
240, 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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