

Converting Colors

$Yxy(72.4432, 0.2521, 0.3476)$

Have a look what the booklet for
Yxy(72.4432, 0.2521, 0.3476)
contains.

Yxy(72.7083, 0.2526, 0.3486)	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(72.7083, 0.2526, 0.3486)

Conversions

Conversions Part 1

Format	Color
Hex	74F2E2
RGB	116, 242, 226
RGB Percent	45%, 95%, 89%
CMY	0.5448, 0.0510, 0.1139
CMYK	0.52, 0.00, 0.07, 0.05
HSL	172°, 83%, 70%
HSV	172°, 52%, 95%
XYZ	52.6854, 72.7083, 83.1786
YIQ	202.5020, -69.9600, -31.6880

Conversions

Conversions Part 2

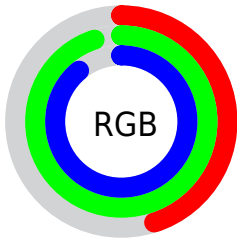
Format	Color
R_{YB}	116, 183, 242
Decimal	7664354
CIE _{Lab}	88.31, -38.88, -2.99
CIE _{LCh}	88, 38.992, 184.395
Yxy	72.7083, 0.2526, 0.3486
Android (android.graphics.Color)	4285854434 (0xFF74F2E2)
YUV	202.5020, 11.5845, -75.8623
Hunter-Lab	85.2692, -38.9310, 1.8520

Details

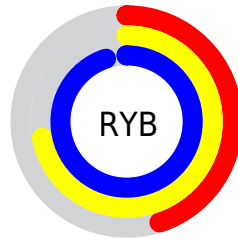
The Yxy color **72.7083, 0.2526, 0.3486** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **33.0567, 0.4443, 0.3122**, and the grayscale version is **59.3644, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9701, 0.2681, 0.3289**, and **38.2912, 0.2386, 0.3519** is the 20% darker color. If you saturate the color by 10%, you get **71.0940, 0.2456, 0.3530**, and if you desaturate by 10%, it is **74.7633, 0.2614, 0.3443**.

Distribution



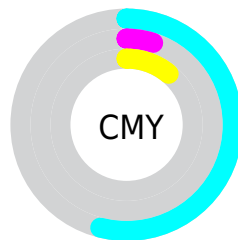
- Red (45%)
- Green (95%)
- Blue (89%)



- Red (45%)
- Yellow (72%)
- Blue (95%)



- Cyan (52%)
- Magenta (0%)
- Yellow (7%)
- Black (5%)




- Cyan (54%)
- Magenta (5%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.7083, 0.2526, 0.3486 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 72.7083, 0.2526, 0.3486 by changing the saturation by 10% instead.


 72.7083, 0.2526,
0.3486


 72.7083, 0.2526,
0.3486


470.0032, 0.2801,
0.3399


 53.7375, 0.2464,
0.3505


 123.0630, 0.2621,
0.3456

 38.3918, 0.2388,
0.3528


 155.2157, 0.2658,
0.3445

 26.2869, 0.2293,
0.3557


 192.5311, 0.2690,
0.3434

 17.0384, 0.2170,
0.3593

235.3937, 0.2718,
0.3426

 10.2619, 0.2006,
0.3640

284.1878, 0.2742,
0.3418

 5.5729, 0.1777,
0.3701

339.2978, 0.2764,

 2.5872, 0.1440,

0.3411

0.3784

401.1081, 0.2783,
0.3404

0.9202, 0.0000,
0.4276

0.0000, 0.0000,
0.0000

72.7083, 0.2526,
0.3486

72.7083, 0.2526,
0.3486

71.0940, 0.2456,
0.3530

74.7633, 0.2614,
0.3443

69.8776, 0.2405,
0.3575


77.2810, 0.2719,
0.3403

69.0225, 0.2374,
0.3620

80.2922, 0.2836,
0.3364


68.4810, 0.2361,
0.3665


83.8225, 0.2964,
0.3329

 68.2154, 0.2361,
0.3700

 87.8957, 0.3099,
0.3296

 91.3229, 0.3197,
0.3266

 91.5122, 0.3178,
0.3237

 91.7047, 0.3160,
0.3207

 91.9003, 0.3141,
0.3178

Harmonies

Analogous

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



72.7083, 0.2914, 0.3914



72.7083, 0.2526, 0.3486



72.7083, 0.2305, 0.3030

Triad

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



72.7083, 0.2526, 0.3486



72.7083, 0.2827, 0.2577



72.7083, 0.4038, 0.3805

Complementary

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



72.7083, 0.2526, 0.3486



33.0567, 0.4443, 0.3122

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.



72.7083, 0.4025, 0.3442



72.7083, 0.2526, 0.3486



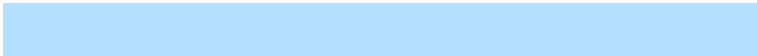
72.7083, 0.3295, 0.2766

Square

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



72.7083, 0.2526, 0.3486



72.7083, 0.2468, 0.2546



72.7083, 0.3746, 0.3073



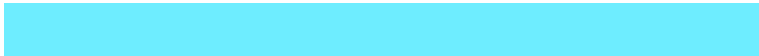
72.7083, 0.3793, 0.4072

Rectangle

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



72.7083, 0.2526, 0.3486



72.7083, 0.2269, 0.2789



72.7083, 0.3746, 0.3073



72.7083, 0.4065, 0.3690

Sweetspot

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



72.7111, 0.2526, 0.3486



92.7360, 0.2911, 0.3343



69.7427, 0.3139, 0.4913



19.6738, 0.2885, 0.3350



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.



72.7111, 0.2526, 0.3486



80.0460, 0.2455, 0.3531



49.5329, 0.2337, 0.2695



17.8923, 0.2998, 0.3320



36.6606, 0.2359, 0.3693



3.0594, 0.2343, 0.3634

Inverse Universe

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



33.0567, 0.4443, 0.3122



31.0762, 0.4869, 0.3106



46.0700, 0.4342, 0.3793



15.7916, 0.3273, 0.3260



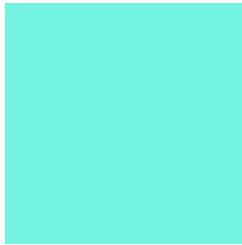
10.2044, 0.6238, 0.3210



0.8593, 0.5947, 0.3050

Previews

White Background



This preview shows how the Yxy color 72.7083, 0.2526, 0.3486 looks on a white background.

Color Contrast Check

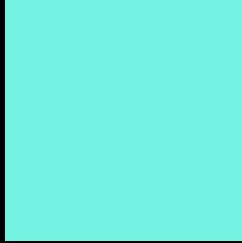
Large Text (above 18pt) WCAG AA × Fail

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 72.7083, 0.2526, 0.3486 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 72.7083, 0.2526, 0.3486

Background



This preview shows how black text looks on a background with the Yxy color 72.7083, 0.2526, 0.3486.

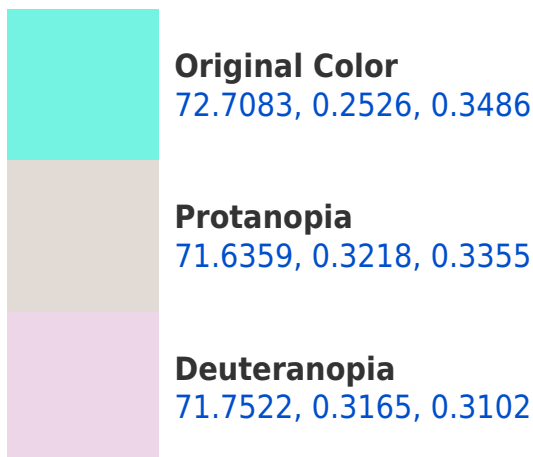


This preview shows how white text looks on a background with the Yxy color 72.7083, 0.2526, 0.3486.

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





Tritanopia

72.7749, 0.2454, 0.3079

Trichromacy



Original Color

72.7083, 0.2526, 0.3486



Protanomaly

70.4392, 0.2909, 0.3394



Deuteranomaly

70.2309, 0.2875, 0.3221



Tritanomaly

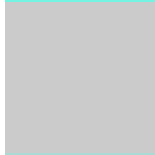
72.7767, 0.2482, 0.3229

Monochromacy



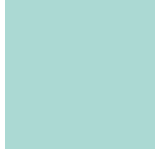
Original Color

72.7083, 0.2526, 0.3486



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

62.9868, 0.2849, 0.3362

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.7083, 0.2526, 0.3486 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, 242, 226)` looks like.

```
.text, #text, p{  
    color:rgb(116, 242, 226)  
}
```

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, 242, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 242, 226) }
```

Border

The CSS property to change the border of an element to Yxy 72.7083, 0.2526, 0.3486 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, 242, 226) }
```

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

```
.border{ border-color:rgb(116, 242, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 242, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 242, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 242, 226);  
box-shadow:4px 4px 4px 4px rgb(116, 242,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 72.7083, 0.2526, 0.3486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 242, 226) }
```

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

```
.background{ background-color: rgb(116,  
242, 226) }
```

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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