

Converting Colors

$Yxy(76.7321, 0.2714, 0.3388)$

Have a look what the booklet for
Yxy(76.7321, 0.2714, 0.3388)
contains.

Yxy(76.6293, 0.2715, 0.3393)	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(76.6293, 0.2715, 0.3393)

Conversions

Conversions Part 1

Format	Color
Hex	A4F1E8
RGB	164, 241, 232
RGB Percent	64%, 95%, 91%
CMY	0.3572, 0.0548, 0.0902
CMYK	0.32, 0.00, 0.04, 0.05
HSL	173°, 73%, 79%
HSV	173°, 32%, 95%
XYZ	61.3170, 76.6293, 87.8990
YIQ	216.9510, -43.0030, -19.1230

Conversions

Conversions Part 2

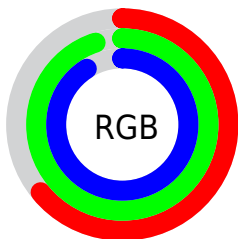
Format	Color
RYB	164, 205, 241
Decimal	10809832
CIELab	90.15, -25.51, -3.21
CIElCh	90, 25.713, 187.164
Yxy	76.6293, 0.2715, 0.3393
Android (android.graphics.Color)	4288999912 (0xFFA4F1E8)
YUV	216.9510, 7.4192, -46.4380
Hunter-Lab	87.5382, -28.1597, 1.7423

Details

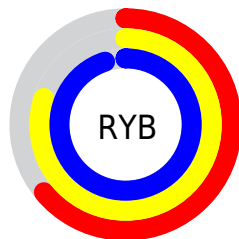
The Yxy color **76.6293, 0.2715, 0.3393** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.2409, 0.3777, 0.3192**, and the grayscale version is **69.3130, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **41.0837, 0.2626, 0.3426** is the 20% darker color. If you saturate the color by 10%, you get **74.1490, 0.2610, 0.3430**, and if you desaturate by 10%, it is **79.6041, 0.2834, 0.3358**.

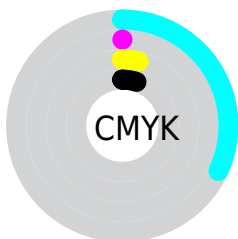
Distribution



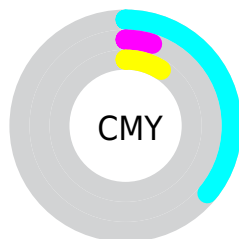
- Red (64%)
- Green (95%)
- Blue (91%)



- Red (64%)
- Yellow (80%)
- Blue (95%)



- Cyan (32%)
- Magenta (0%)
- Yellow (4%)
- Black (5%)




- Cyan (36%)
- Magenta (5%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.6293, 0.2715, 0.3393 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 76.6293, 0.2715, 0.3393 by changing the saturation by 10% instead.


 76.6293, 0.2715,
0.3393


 76.6293, 0.2715,
0.3393


483.4992, 0.2902,
0.3348

 56.9487, 0.2673,
0.3403


 128.6161, 0.2779,
0.3378

 40.9640, 0.2621,
0.3415


 161.6910, 0.2805,
0.3372

 28.2910, 0.2557,
0.3429


199.9995, 0.2826,
0.3366

 18.5451, 0.2473,
0.3447

243.9259, 0.2846,
0.3362

 11.3421, 0.2362,
0.3471

293.8547, 0.2862,
0.3358

 6.2974, 0.2205,
0.3502


350.1703, 0.2877,


 3.0268, 0.1970,

0.3354

413.2570, 0.2891,
0.3351


0.3544


 1.1457, 0.1425,
0.3667

 0.0167, 0.0000,
0.0644


 76.6293, 0.2715,
0.3393


 76.6293, 0.2715,
0.3393


 74.1490, 0.2610,
0.3430


 79.6041, 0.2834,
0.3358


 72.1265, 0.2521,
0.3469

 83.0896, 0.2963,
0.3325

 70.5345, 0.2449,
0.3510

 87.1125, 0.3099,
0.3296

 69.3391, 0.2398,
0.3551

 90.6706, 0.3205,
0.3268

■ 68.5013, 0.2366,
0.3592

■ 90.8426, 0.3188,
0.3241

■ 67.9741, 0.2352,
0.3633

■ 91.0173, 0.3170,
0.3214

■ 67.7171, 0.2351,
0.3665

■ 91.1946, 0.3153,
0.3187

■ 91.3745, 0.3136,
0.3160

■ 91.4026, 0.3133,
0.3156

Harmonies

Analogous

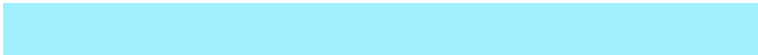
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.6293, 0.2968, 0.3662



76.6293, 0.2715, 0.3393



76.6293, 0.2574, 0.3107

Triad

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



76.6293, 0.2715, 0.3393



76.6293, 0.2961, 0.2819



76.6293, 0.3711, 0.3660

Complementary

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



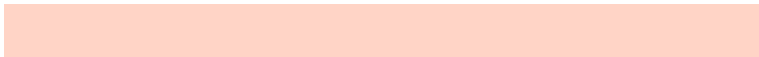
76.6293, 0.2715, 0.3393



48.2409, 0.3777, 0.3192

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.



76.6293, 0.3714, 0.3426



76.6293, 0.2715, 0.3393



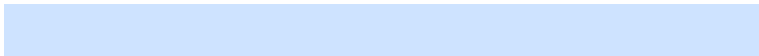
76.6293, 0.3269, 0.2956

Square

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



76.6293, 0.2715, 0.3393



76.6293, 0.2710, 0.2792



76.6293, 0.3550, 0.3174



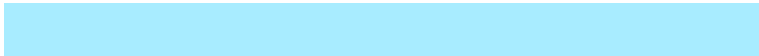
76.6293, 0.3546, 0.3810

Rectangle

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



76.6293, 0.2715, 0.3393



76.6293, 0.2557, 0.2952



76.6293, 0.3550, 0.3174



76.6293, 0.3732, 0.3588

Sweetspot

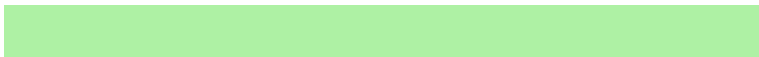
The Sweet Spot groups the original color and five complimentary colors.



76.6324, 0.2715, 0.3393



95.2896, 0.2989, 0.3319



74.6215, 0.3147, 0.4220



20.2650, 0.2970, 0.3324



0.0000, 0.0000, 0.0000



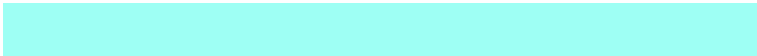
21.4041, 0.3127, 0.3290

Same Dimension

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



76.6324, 0.2715, 0.3393



85.3102, 0.2649, 0.3416



61.6985, 0.2629, 0.2954



17.8952, 0.2996, 0.3318



36.7276, 0.2350, 0.3658



3.0643, 0.2335, 0.3605

Inverse Universe

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



48.2409, 0.3777, 0.3192



48.6290, 0.3960, 0.3173



59.1640, 0.3766, 0.3602



15.7889, 0.3275, 0.3263



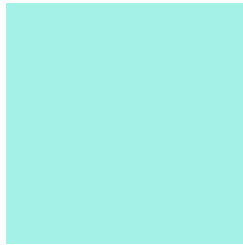
10.1970, 0.6256, 0.3220



0.8580, 0.5981, 0.3068

Previews

White Background



This preview shows how the Yxy color 76.6293, 0.2715, 0.3393 looks on a white background.

Color Contrast Check

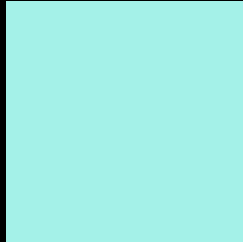
Large Text (above 18pt) WCAG AA × Fail

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 76.6293, 0.2715, 0.3393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

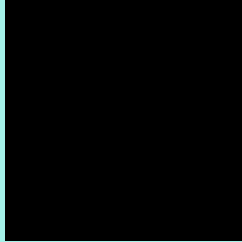
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.6293, 0.2715, 0.3393

Background



This preview shows how black text looks on a background with the Yxy color 76.6293, 0.2715, 0.3393.

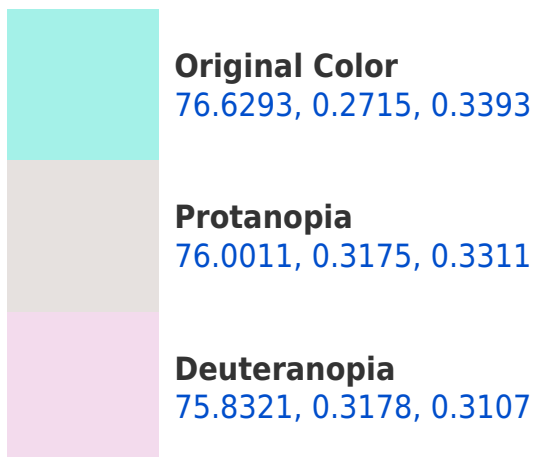


This preview shows how white text looks on a background with the Yxy color 76.6293, 0.2715, 0.3393.

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

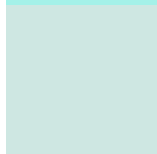
76.6726, 0.2642, 0.3089

Trichromacy



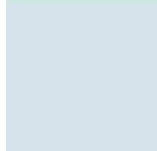
Original Color

76.6293, 0.2715, 0.3393



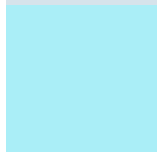
Protanomaly

75.7646, 0.2991, 0.3345



Deuteranomaly

75.2325, 0.2989, 0.3203



Tritanomaly

76.4105, 0.2667, 0.3187

Monochromacy



Original Color

76.6293, 0.2715, 0.3393



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

71.6724, 0.2962, 0.3335

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.6293, 0.2715, 0.3393 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(164, 241, 232)` looks like.

```
.text, #text, p{  
    color:rgb(164, 241, 232)  
}
```

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(164, 241, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 241, 232) }
```

Border

The CSS property to change the border of an element to Yxy 76.6293, 0.2715, 0.3393 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(164, 241, 232) }
```

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

```
.border{ border-color:rgb(164, 241, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 241, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 241, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 241, 232);  
box-shadow:4px 4px 4px 4px rgb(164, 241,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 76.6293, 0.2715, 0.3393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 241, 232) }
```

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

```
.background{ background-color: rgb(164,  
241, 232) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor