

Converting Colors

$Yxy(72.3495, 0.2764, 0.3444)$

Have a look what the booklet for
Yxy(72.3495, 0.2764, 0.3444)
contains.

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Color

Yxy(72.5831, 0.2761, 0.3443)

Conversions

Conversions Part 1

Format	Color
Hex	A4EBDE
RGB	164, 235, 222
RGB Percent	64%, 92%, 87%
CMY	0.3567, 0.0784, 0.1295
CMYK	0.30, 0.00, 0.06, 0.08
HSL	169°, 64%, 78%
HSV	169°, 30%, 92%
XYZ	58.2056, 72.5831, 80.0248
YIQ	212.2890, -38.1430, -19.0950

Conversions

Conversions Part 2

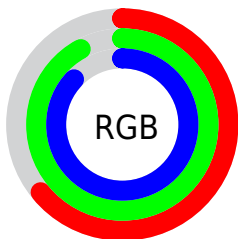
Format	Color
RYB	164, 203, 235
Decimal	10808286
CIELab	88.25, -24.75, -0.75
CIELCh	88, 24.760, 181.737
Yxy	72.5831, 0.2761, 0.3443
Android (android.graphics.Color)	4288998366 (0xFFA4EBDE)
YUV	212.2890, 4.7875, -42.3495
Hunter-Lab	85.1957, -27.1415, 3.9456

Details

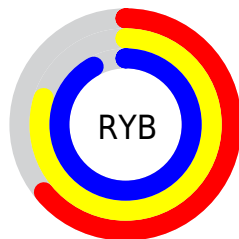
The Yxy color **72.5831, 0.2761, 0.3443** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.4064, 0.3681, 0.3145**, and the grayscale version is **66.0332, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **38.3452, 0.2677, 0.3477** is the 20% darker color. If you saturate the color by 10%, you get **70.0832, 0.2660, 0.3502**, and if you desaturate by 10%, it is **75.5568, 0.2874, 0.3388**.

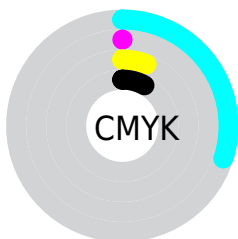
Distribution



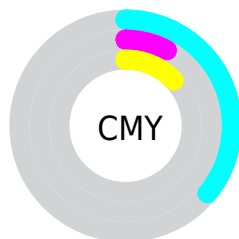
- Red (64%)
- Green (92%)
- Blue (87%)



- Red (64%)
- Yellow (80%)
- Blue (92%)



- Cyan (30%)
- Magenta (0%)
- Yellow (6%)
- Black (8%)





- Cyan (36%)
- Magenta (8%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.5831, 0.2761, 0.3443 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 72.5831, 0.2761, 0.3443 by changing the saturation by 10% instead.


 72.5831, 0.2761,
0.3443


 72.5831, 0.2761,
0.3443


469.5686, 0.2930,
0.3373

 53.6351, 0.2723,
0.3459


 122.8852, 0.2819,
0.3419

 38.3100, 0.2675,
0.3478


 155.0081, 0.2842,
0.3409

 26.2234, 0.2615,
0.3503


192.2915, 0.2862,
0.3401

 16.9908, 0.2537,
0.3535

235.1196, 0.2879,
0.3394

 10.2280, 0.2431,
0.3578

283.8771, 0.2894,
0.3388

 5.5504, 0.2280,
0.3639

338.9481, 0.2907,

 2.5737, 0.2046,

0.3382

400.7172, 0.2919,
0.3377

0.3733

0.9134, 0.1185,
0.4103

0.0000, 0.0000,
0.0000

72.5831, 0.2761,
0.3443

72.5831, 0.2761,
0.3443

70.0832, 0.2660,
0.3502

75.5568, 0.2874,
0.3388

68.0227, 0.2573,
0.3564


79.0190, 0.2996,
0.3337


66.3766, 0.2504,
0.3629

82.9947, 0.3125,
0.3291

65.1137, 0.2453,
0.3696


86.9224, 0.3235,
0.3249


 64.1983, 0.2422,
0.3763

 87.1810, 0.3208,
0.3207

 63.5879, 0.2411,
0.3829

 87.4457, 0.3181,
0.3165

 63.2151, 0.2415,
0.3894

 87.7165, 0.3154,
0.3124

 87.8967, 0.3136,
0.3097

Harmonies

Analogous

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



72.5831, 0.3023, 0.3693



72.5831, 0.2761, 0.3443



72.5831, 0.2599, 0.3158

Triad

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



72.5831, 0.2761, 0.3443



72.5831, 0.2914, 0.2814



72.5831, 0.3713, 0.3616

Complementary

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



72.5831, 0.2761, 0.3443



47.4064, 0.3681, 0.3145

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.



72.5831, 0.3685, 0.3379



72.5831, 0.2761, 0.3443



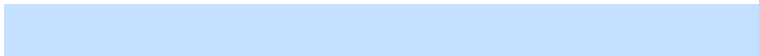
72.5831, 0.3211, 0.2931

Square

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



72.5831, 0.2761, 0.3443



72.5831, 0.2684, 0.2810



72.5831, 0.3498, 0.3133



72.5831, 0.3577, 0.3782

Rectangle

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



72.5831, 0.2761, 0.3443



72.5831, 0.2566, 0.2996



72.5831, 0.3498, 0.3133



72.5831, 0.3723, 0.3542

Sweetspot

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



72.5860, 0.2761, 0.3443



95.6356, 0.3011, 0.3332



71.5915, 0.3179, 0.4150



20.3292, 0.2993, 0.3339



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.



72.5860, 0.2761, 0.3443



85.5088, 0.2699, 0.3478



61.8436, 0.2664, 0.3034



17.0717, 0.3006, 0.3334



35.1997, 0.2412, 0.3884



2.7763, 0.2387, 0.3792

Inverse Universe

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



47.4064, 0.3681, 0.3145



50.8233, 0.3838, 0.3115



55.1807, 0.3736, 0.3531



15.0992, 0.3264, 0.3247



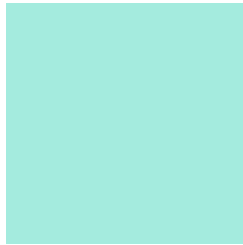
9.9410, 0.6114, 0.3142



0.7934, 0.5748, 0.2940

Previews

White Background



This preview shows how the Yxy color 72.5831, 0.2761, 0.3443 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 72.5831, 0.2761, 0.3443 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

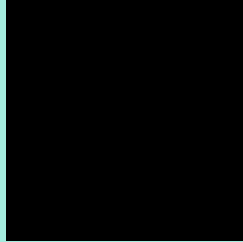
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

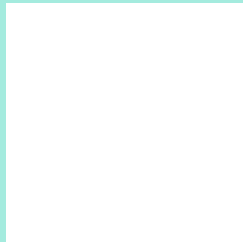
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.5831, 0.2761, 0.3443

Background



This preview shows how black text looks on a background with the Yxy color 72.5831, 0.2761, 0.3443.

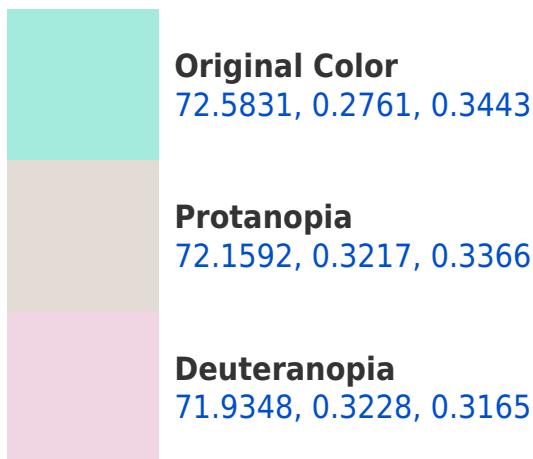


This preview shows how white text looks on a background with the Yxy color 72.5831, 0.2761, 0.3443.

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

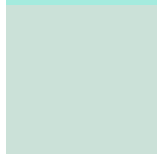
72.5374, 0.2648, 0.3085

Trichromacy



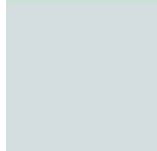
Original Color

72.5831, 0.2761, 0.3443



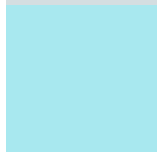
Protanomaly

71.5048, 0.3033, 0.3391



Deuteranomaly

71.6758, 0.3038, 0.3257



Tritanomaly

72.2701, 0.2689, 0.3208

Monochromacy



Original Color

72.5831, 0.2761, 0.3443



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

67.7464, 0.2979, 0.3336

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.5831, 0.2761, 0.3443 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, 235, 222)` looks like.

```
.text, #text, p{  
    color:rgb(164, 235, 222)  
}
```

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, 235, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 235, 222) }
```

Border

The CSS property to change the border of an element to Yxy 72.5831, 0.2761, 0.3443 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, 235, 222) }
```

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

```
.border{ border-color:rgb(164, 235, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 235, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(164, 235, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(164, 235, 222); box-shadow:4px 4px 4px 4px rgb(164, 235, 222) }
```


Background

The CSS property to change the background color of an element to Yxy 72.5831, 0.2761, 0.3443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 235, 222) }
```

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

```
.background{ background-color: rgb(164,  
235, 222) }
```

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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