

Converting Colors

$Y_{xy}(75.2599, 0.2944, 0.3271)$

Have a look what the booklet for
Yxy(75.2599, 0.2944, 0.3271)
contains.

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Color

Yxy(75.2572, 0.2942, 0.3268)

Conversions

Conversions Part 1

Format	Color
Hex	CCE6E8
RGB	204, 230, 232
RGB Percent	80%, 90%, 91%
CMY	0.2002, 0.0980, 0.0903
CMYK	0.12, 0.01, 0.00, 0.09
HSL	184°, 38%, 85%
HSV	184°, 12%, 91%
XYZ	67.7499, 75.2572, 87.2781
YIQ	222.4540, -16.1380, -4.8900

Conversions

Conversions Part 2

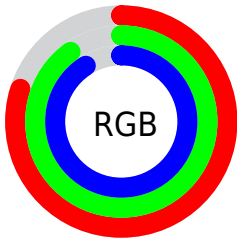
Format	Color
R _Y B	204, 217, 232
Decimal	13428456
CIE Lab	89.51, -8.16, -3.87
CIE LCh	90, 9.026, 205.360
Yxy	75.2572, 0.2942, 0.3268
Android (android.graphics.Color)	4291618536 (0xFFCCE6E8)
YUV	222.4540, 4.7062, -16.1842
Hunter-Lab	86.7509, -12.4108, 1.0753

Details

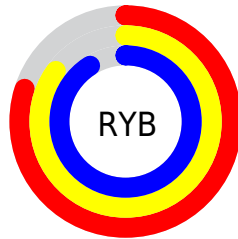
The Yxy color **75.2572, 0.2942, 0.3268** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.6027, 0.3343, 0.3312**, and the grayscale version is **73.3541, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.2786, 0.2906, 0.3275** is the 20% darker color. If you saturate the color by 10%, you get **71.3289, 0.2797, 0.3248**, and if you desaturate by 10%, it is **79.6883, 0.3095, 0.3286**.

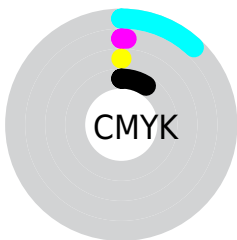
Distribution



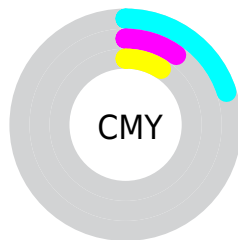
- Red (80%)
- Green (90%)
- Blue (91%)



- Red (80%)
- Yellow (85%)
- Blue (91%)



- Cyan (12%)
- Magenta (1%)
- Yellow (0%)
- Black (9%)



- Cyan (20%)
- Magenta (10%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.2572, 0.2942, 0.3268 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 75.2572, 0.2942, 0.3268 by changing the saturation by 10% instead.

■ 75.2572, 0.2942,
0.3268

■ 75.2572, 0.2942,
0.3268

478.8011, 0.3027,
0.3279

■ 55.8236, 0.2923,
0.3265

126.6764, 0.2971,
0.3272

■ 40.0615, 0.2899,
0.3262

159.4308, 0.2983,
0.3273

■ 27.5865, 0.2869,
0.3258

197.3942, 0.2993,
0.3275

■ 18.0142, 0.2831,
0.3252

240.9511, 0.3001,
0.3276

■ 10.9602, 0.2779,
0.3244

290.4859, 0.3009,
0.3277

■ 6.0401, 0.2704,
0.3231

346.3828, 0.3015,

■ 2.8695, 0.2589,

0.3277

0.3210

409.0265, 0.3021,
0.3278

■ 1.0640, 0.2388,
0.3169

■ 0.0000, 0.0000,
0.0000

■ 75.2572, 0.2942,
0.3268

■ 75.2572, 0.2942,
0.3268

■ 71.3289, 0.2797,
0.3248

■ 79.6883, 0.3095,
0.3286

■ 67.8724, 0.2662,
0.3227

■ 84.6328, 0.3252,
0.3303

■ 64.8676, 0.2540,
0.3205

■ 86.4257, 0.3282,
0.3319

■ 62.2896, 0.2435,
0.3181

■ 87.3542, 0.3281,
0.3335

60.1107, 0.2347,
0.3158

88.2912, 0.3279,
0.3351

58.2999, 0.2279,
0.3134

89.2366, 0.3277,
0.3366

56.8217, 0.2230,
0.3110

90.1904, 0.3276,
0.3382

55.6334, 0.2200,
0.3086

91.1528, 0.3274,
0.3398

54.8439, 0.2186,
0.3068

92.1236, 0.3272,
0.3413

Harmonies

Analogous

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



75.2572, 0.3013, 0.3366



75.2572, 0.2942, 0.3268



75.2572, 0.2920, 0.3178

Triad

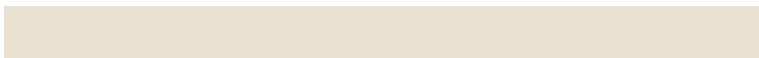
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.2572, 0.2942, 0.3268



75.2572, 0.3136, 0.3143



75.2572, 0.3304, 0.3460

Complementary

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



75.2572, 0.2942, 0.3268



65.6027, 0.3343, 0.3312

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.



75.2572, 0.3339, 0.3397



75.2572, 0.2942, 0.3268



75.2572, 0.3241, 0.3215

Square

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



75.2572, 0.2942, 0.3268



75.2572, 0.3031, 0.3109



75.2572, 0.3316, 0.3308



75.2572, 0.3222, 0.3478

Rectangle

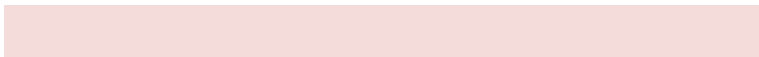
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



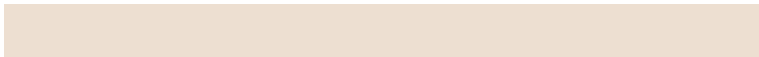
75.2572, 0.2942, 0.3268



75.2572, 0.2935, 0.3135



75.2572, 0.3316, 0.3308



75.2572, 0.3322, 0.3443

Sweetspot

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



75.2603, 0.2942, 0.3268



97.6642, 0.3065, 0.3283



74.9755, 0.3101, 0.3585



20.8126, 0.3053, 0.3282



0.0000, 0.0000, 0.0000



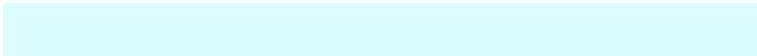
21.4041, 0.3127, 0.3290

Same Dimension

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



75.2603, 0.2942, 0.3268



92.2707, 0.2912, 0.3264



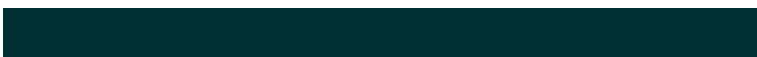
67.8137, 0.2939, 0.3112



16.1555, 0.2982, 0.3273



30.5323, 0.2187, 0.3072



2.3081, 0.2196, 0.3106

Inverse Universe

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



66.0267, 0.3155, 0.3013



79.1406, 0.3160, 0.2966



72.6051, 0.3324, 0.3462



14.5970, 0.3149, 0.3074



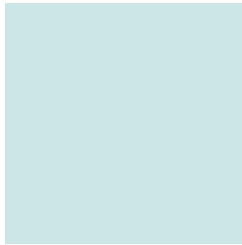
12.2800, 0.3392, 0.1642



0.9127, 0.3362, 0.1626

Previews

White Background



This preview shows how the Yxy color 75.2572, 0.2942, 0.3268 looks on a white background.

Color Contrast Check

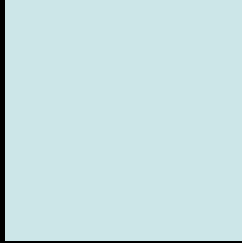
Large Text (above 18pt) WCAG AA × Fail

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 75.2572, 0.2942, 0.3268 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

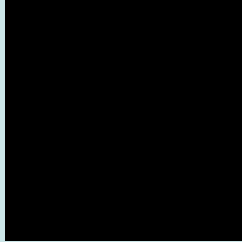
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

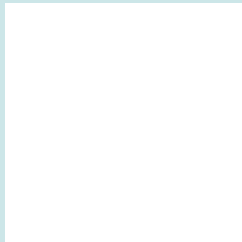
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.2572, 0.2942, 0.3268

Background



This preview shows how black text looks on a background with the Yxy color 75.2572, 0.2942, 0.3268.

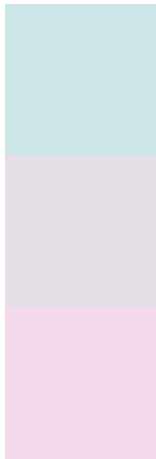


This preview shows how white text looks on a background with the Yxy color 75.2572, 0.2942, 0.3268.

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

75.2572, 0.2942, 0.3268

Protanopia

74.7077, 0.3123, 0.3237

Deuteranopia

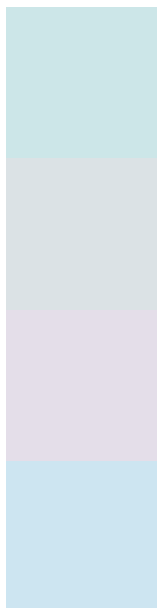
74.9606, 0.3192, 0.3126



Tritanopia

75.2624, 0.2872, 0.3096

Trichromacy



Original Color

75.2572, 0.2942, 0.3268

Protanomaly

75.1099, 0.3060, 0.3258

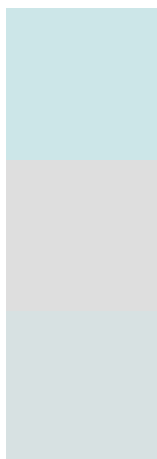
Deuteranomaly

74.6197, 0.3098, 0.3174

Tritanomaly

75.3686, 0.2895, 0.3159

Monochromacy



Original Color

75.2572, 0.2942, 0.3268

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

73.7885, 0.3052, 0.3279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.2572, 0.2942, 0.3268 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(204, 230, 232)` looks like.

```
.text, #text, p{  
    color:rgb(204, 230, 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(204, 230, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 230, 232) }
```

Border

The CSS property to change the border of an element to Yxy 75.2572, 0.2942, 0.3268 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(204, 230, 232) }
```

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

```
.border{ border-color:rgb(204, 230, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 230, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 230, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 230, 232);  
box-shadow:4px 4px 4px 4px rgb(204, 230,  
232) }
```


Background

The CSS property to change the background color of an element to `rgb(75.2572, 0.2942, 0.3268)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 230, 232) }
```

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

```
.background{ background-color: rgb(204,  
230, 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](#).

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