

Converting Colors

$Y_{xy}(41.5789, 0.2193, 0.2787)$

Have a look what the booklet for
Yxy(41.5789, 0.2193, 0.2787)
contains.

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Color

Yxy(41.7852, 0.2197, 0.2798)

Conversions

Conversions Part 1

Format	Color
Hex	3EBBDD
RGB	62, 187, 221
RGB Percent	24%, 73%, 87%
CMY	0.7567, 0.2667, 0.1333
CMYK	0.72, 0.15, 0.00, 0.13
HSL	193°, 70%, 55%
HSV	193°, 72%, 87%
XYZ	32.8099, 41.7852, 74.7444
YIQ	153.5010, -85.4140, -15.9260

Conversions

Conversions Part 2

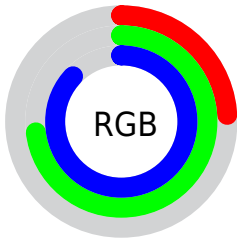
Format	Color
R _Y B	62, 132, 221
Decimal	4111325
CIE Lab	70.72, -23.06, -26.91
CIE LCh	71, 35.436, 229.404
Yxy	41.7852, 0.2197, 0.2798
Android (android.graphics.Color)	4282301405 (0xFF3EBBDD)
YUV	153.5010, 33.2770, -80.2464
Hunter-Lab	64.6415, -22.5218, -23.3075

Details

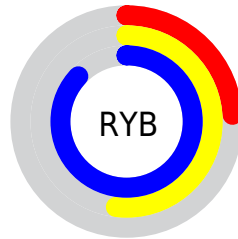
The Yxy color **41.7852, 0.2197, 0.2798** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **24.0956, 0.5257, 0.3632**, and the grayscale version is **31.9708, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0670, 0.2455, 0.3149**, and **19.8034, 0.2074, 0.2665** is the 20% darker color. If you saturate the color by 10%, you get **39.2381, 0.2128, 0.2719**, and if you desaturate by 10%, it is **44.6918, 0.2286, 0.2877**.

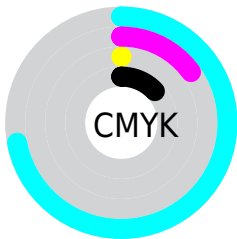
Distribution



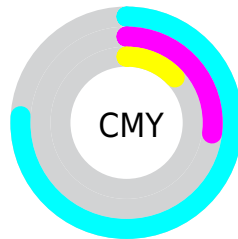
- Red (24%)
- Green (73%)
- Blue (87%)



- Red (24%)
- Yellow (52%)
- Blue (87%)



- Cyan (72%)
- Magenta (15%)
- Yellow (0%)
- Black (13%)



- Cyan (76%)
- Magenta (27%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.7852, 0.2197, 0.2798 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 41.7852, 0.2197, 0.2798 by changing the saturation by 10% instead.

41.7852, 0.2197,
0.2798

41.7852, 0.2197,
0.2798

353.5917, 0.2650,
0.3058

28.9331, 0.2089,
0.2730

77.8744, 0.2358,
0.2895

19.0302, 0.1954,
0.2642

101.8804, 0.2420,
0.2931

11.6921, 0.1781,
0.2523

130.3731, 0.2472,
0.2961

6.5344, 0.1555,
0.2356

163.7369, 0.2518,
0.2986

3.1727, 0.1250,
0.2108

202.3563, 0.2557,
0.3008

1.2225, 0.0799,
0.1727

246.6157, 0.2592,

0.0800, 0.0000,

0.3027

0.0328

296.8993, 0.2623,
0.3043

0.0000, 0.0000,
0.0000

41.7852, 0.2197,
0.2798

41.7852, 0.2197,
0.2798

39.2381, 0.2128,
0.2719

44.6918, 0.2286,
0.2877

37.0075, 0.2078,
0.2641

47.9853, 0.2392,
0.2953

35.3875, 0.2049,
0.2578

51.6951, 0.2514,
0.3027

55.8464, 0.2649,
0.3098

60.4620, 0.2794,
0.3164

■ 65.5630, 0.2944,
0.3224

■ 71.1689, 0.3097,
0.3280

■ 77.2984, 0.3251,
0.3330

■ 82.8232, 0.3361,
0.3376

Harmonies

Analogous

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



41.7852, 0.2327, 0.3242



41.7852, 0.2197, 0.2798



41.7852, 0.2287, 0.2537

Triad

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



41.7852, 0.2197, 0.2798



41.7852, 0.3569, 0.2874



41.7852, 0.3638, 0.4214

Complementary

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



41.7852, 0.2197, 0.2798



24.0956, 0.5257, 0.3632

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.



41.7852, 0.4016, 0.4012



41.7852, 0.2197, 0.2798



41.7852, 0.3990, 0.3246

Square

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



41.7852, 0.2197, 0.2798



41.7852, 0.3045, 0.2601



41.7852, 0.4154, 0.3652



41.7852, 0.3141, 0.4135

Rectangle

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



41.7852, 0.2197, 0.2798



41.7852, 0.2463, 0.2475



41.7852, 0.4154, 0.3652



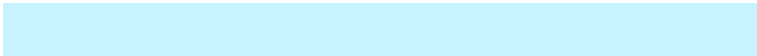
41.7852, 0.3784, 0.4172

Sweetspot

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



41.7867, 0.2197, 0.2798



83.4492, 0.2790, 0.3162



53.5456, 0.2907, 0.5213



17.4751, 0.2750, 0.3144



0.0000, 0.0000, 0.0000



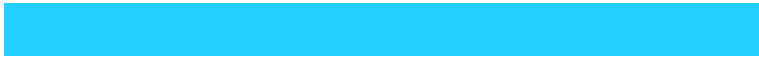
21.4041, 0.3127, 0.3290

Same Dimension

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



41.7867, 0.2197, 0.2798



52.7444, 0.2102, 0.2681



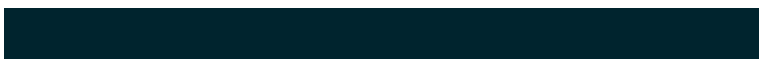
17.3404, 0.1896, 0.1597



14.3321, 0.2982, 0.3239



20.7275, 0.2053, 0.2590



1.4631, 0.2088, 0.2717

Inverse Universe

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



22.4107, 0.3613, 0.1999



27.0621, 0.3738, 0.1900



45.7295, 0.4462, 0.4465



13.2247, 0.3170, 0.3108



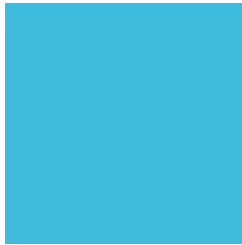
10.7162, 0.3834, 0.1886



0.7064, 0.3712, 0.1819

Previews

White Background



This preview shows how the Yxy color 41.7852, 0.2197, 0.2798 looks on a white background.

Color Contrast Check

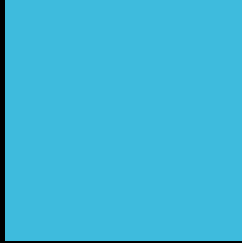
Large Text (above 18pt) WCAG AA × Fail

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 41.7852, 0.2197, 0.2798 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 41.7852, 0.2197, 0.2798

Background



This preview shows how black text looks on a background with the Yxy color 41.7852, 0.2197, 0.2798.



This preview shows how white text looks on a background with the Yxy color 41.7852, 0.2197, 0.2798.

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

41.7852, 0.2197, 0.2798

Protanopia

41.1394, 0.2765, 0.2775

Deuteranopia

41.2858, 0.2633, 0.2572



Tritanopia

41.9385, 0.2249, 0.3062

Trichromacy



Original Color

41.7852, 0.2197, 0.2798

Protanomaly

40.2904, 0.2488, 0.2774

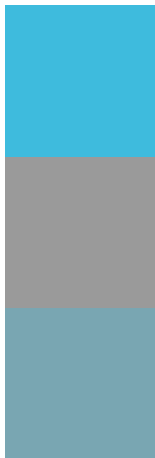
Deuteranomaly

40.7176, 0.2415, 0.2637

Tritanomaly

41.9106, 0.2228, 0.2962

Monochromacy



Original Color

41.7852, 0.2197, 0.2798

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

34.5517, 0.2655, 0.3103

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.7852, 0.2197, 0.2798 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(62, 187, 221)` looks like.

```
.text, #text, p{  
    color:rgb(62, 187, 221)  
}
```

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(62, 187, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 187, 221) }
```

Border

The CSS property to change the border of an element to Yxy 41.7852, 0.2197, 0.2798 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(62, 187, 221) }
```

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

```
.border{ border-color:rgb(62, 187, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 187, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 187, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 187, 221);  
box-shadow:4px 4px 4px 4px rgb(62, 187,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 41.7852, 0.2197, 0.2798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 187, 221) }
```

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

```
.background{ background-color: rgb(62, 187,  
221) }
```

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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