

Converting Colors

$Yxy(41.2200, 0.2087, 0.2635)$

Have a look what the booklet for
Yxy(41.2200, 0.2087, 0.2635)
contains.

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Color

Yxy(41.2200, 0.2087, 0.2635)

Conversions

Conversions Part 1

Format	Color
Hex	1EBAE8
RGB	30, 186, 232
RGB Percent	12%, 73%, 91%
CMY	0.8841, 0.2705, 0.0903
CMYK	0.87, 0.20, 0.00, 0.09
HSL	194°, 81%, 51%
HSV	194°, 87%, 91%
XYZ	32.6475, 41.2200, 82.5651
YIQ	144.6000, -107.7420, -18.7660

Conversions

Conversions Part 2

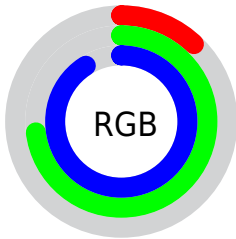
Format	Color
R _Y B	30, 118, 232
Decimal	2013928
CIE Lab	70.33, -21.95, -33.53
CIE LCh	70, 40.077, 236.799
Yxy	41.2200, 0.2087, 0.2635
Android (android.graphics.Color)	4280204008 (0xFF1EBAE8)
YUV	144.6000, 43.0882, -100.5042
Hunter-Lab	64.2028, -21.5866, -31.3053

Details

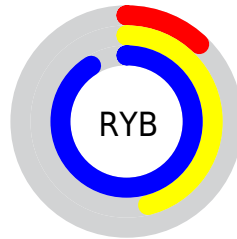
The Yxy color **41.2200, 0.2087, 0.2635** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **22.3467, 0.5814, 0.3604**, and the grayscale version is **27.9477, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.3691, 0.2398, 0.3135**, and **19.9096, 0.2023, 0.2483** is the 20% darker color. If you saturate the color by 10%, you get **38.8142, 0.2046, 0.2552**, and if you desaturate by 10%, it is **43.9630, 0.2147, 0.2719**.

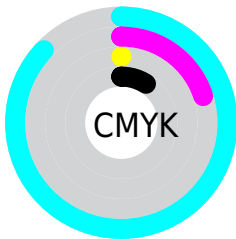
Distribution



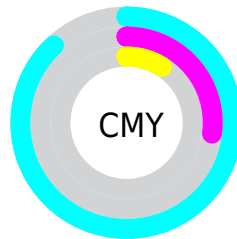
- Red (12%)
- Green (73%)
- Blue (91%)



- Red (12%)
- Yellow (46%)
- Blue (91%)



- Cyan (87%)
- Magenta (20%)
- Yellow (0%)
- Black (9%)



- Cyan (88%)
- Magenta (27%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.2200, 0.2087, 0.2635 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 41.2200, 0.2087, 0.2635 by changing the saturation by 10% instead.

41.2200, 0.2087,
0.2635

41.2200, 0.2087,
0.2635

351.2393, 0.2590,
0.2975

28.4910, 0.1969,
0.2548

77.0177, 0.2265,
0.2760

18.6961, 0.1823,
0.2437

100.8553, 0.2333,
0.2807

11.4509, 0.1638,
0.2290

129.1645, 0.2391,
0.2846

6.3710, 0.1400,
0.2089

162.3298, 0.2442,
0.2880

3.0720, 0.1090,
0.1803

200.7355, 0.2486,
0.2909

1.1694, 0.0655,
0.1390

244.7661, 0.2525,

0.0365, 0.0000,

0.2934

0.0113

294.8059, 0.2559,
0.2956

■ 0.0000, 0.0000,
0.0000

■ 41.2200, 0.2087,
0.2635

■ 41.2200, 0.2087,
0.2635

■ 38.8142, 0.2046,
0.2552

■ 43.9630, 0.2147,
0.2719

■ 38.1901, 0.2036,
0.2529

■ 47.0907, 0.2227,
0.2804

■ 50.6443, 0.2326,
0.2887

■ 54.6575, 0.2442,
0.2968

■ 59.1604, 0.2572,
0.3046

■ 64.1801, 0.2714,
0.3119

■ 69.7414, 0.2862,
0.3186

■ 75.8676, 0.3015,
0.3249

■ 82.5801, 0.3169,
0.3305

Harmonies

Analogous

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



41.2200, 0.2168, 0.3089



41.2200, 0.2087, 0.2635



41.2200, 0.2245, 0.2405

Triad

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



41.2200, 0.2087, 0.2635



41.2200, 0.3765, 0.2916



41.2200, 0.3565, 0.4355

Complementary

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



41.2200, 0.2087, 0.2635



22.3467, 0.5814, 0.3604

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.



41.2200, 0.4043, 0.4178



41.2200, 0.2087, 0.2635



41.2200, 0.4186, 0.3344

Square

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



41.2200, 0.2087, 0.2635



41.2200, 0.3177, 0.2580



41.2200, 0.4284, 0.3795



41.2200, 0.2995, 0.4183

Rectangle

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



41.2200, 0.2087, 0.2635



41.2200, 0.2476, 0.2376



41.2200, 0.4284, 0.3795



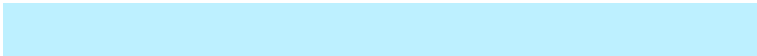
41.2200, 0.3743, 0.4330

Sweetspot

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



41.2214, 0.2087, 0.2635



80.2893, 0.2730, 0.3126



58.4590, 0.2911, 0.5562



16.7000, 0.2679, 0.3102



0.0000, 0.0000, 0.0000



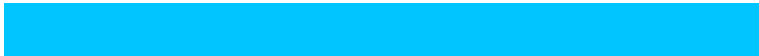
21.4041, 0.3127, 0.3290

Same Dimension

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



41.2214, 0.2087, 0.2635



47.1992, 0.2035, 0.2525



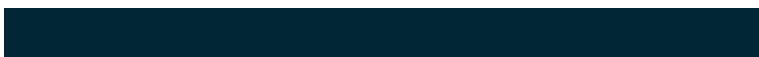
12.8964, 0.1692, 0.1181



15.7522, 0.2981, 0.3235



21.4034, 0.2040, 0.2542



1.7178, 0.2073, 0.2664

Inverse Universe

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



21.6051, 0.3783, 0.1919



25.2959, 0.3898, 0.1921



47.7595, 0.4672, 0.4576



14.5563, 0.3172, 0.3110



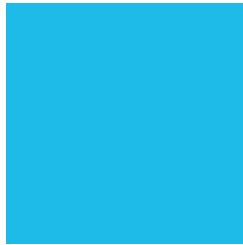
11.3584, 0.3880, 0.1911



0.8531, 0.3762, 0.1846

Previews

White Background



This preview shows how the Yxy color 41.2200, 0.2087, 0.2635 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 41.2200, 0.2087, 0.2635 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 41.2200, 0.2087, 0.2635

Background



This preview shows how black text looks on a background with the Yxy color 41.2200, 0.2087, 0.2635.

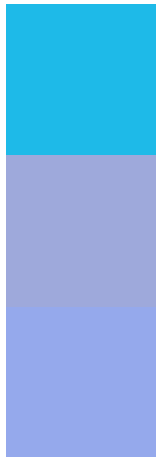


This preview shows how white text looks on a background with the Yxy color 41.2200, 0.2087, 0.2635.

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

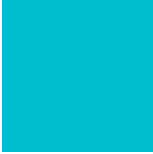
41.2200, 0.2087, 0.2635

Protanopia

40.7595, 0.2658, 0.2637

Deuteranopia

40.8216, 0.2490, 0.2436



Tritanopia

41.2347, 0.2183, 0.3058

Trichromacy



Original Color

41.2200, 0.2087, 0.2635

Protanomaly

39.4213, 0.2340, 0.2610

Deuteranomaly

39.7223, 0.2262, 0.2477

Tritanomaly

41.3726, 0.2145, 0.2901

Monochromacy



Original Color

41.2200, 0.2087, 0.2635

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

30.7556, 0.2518, 0.3012

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.2200, 0.2087, 0.2635 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(30, 186, 232)` looks like.

```
.text, #text, p{  
    color:rgb(30, 186, 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(30, 186, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 186, 232) }
```

Border

The CSS property to change the border of an element to Yxy 41.2200, 0.2087, 0.2635 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(30, 186, 232) }
```

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

```
.border{ border-color:rgb(30, 186, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 186, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 186, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 186, 232);  
box-shadow:4px 4px 4px 4px rgb(30, 186,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 41.2200, 0.2087, 0.2635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 186, 232) }
```

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

```
.background{ background-color: rgb(30, 186,  
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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