

Converting Colors

Yxy(65.4464, 0.2806, 0.3218)

Have a look what the booklet for
Yxy(65.4464, 0.2806, 0.3218)
contains.

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Color

Yxy(65.4464, 0.2806, 0.3218)

Conversions

Conversions Part 1

Format	Color
Hex	B1DBE1
RGB	177, 219, 225
RGB Percent	69%, 86%, 88%
CMY	0.3056, 0.1412, 0.1176
CMYK	0.21, 0.03, 0.00, 0.12
HSL	188°, 44%, 79%
HSV	188°, 21%, 88%
XYZ	57.0673, 65.4464, 80.8623
YIQ	207.1260, -26.9580, -7.0380

Conversions

Conversions Part 2

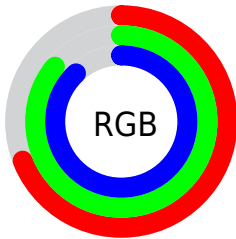
Format	Color
RYB	177, 199, 225
Decimal	11656161
CIELab	84.71, -12.30, -7.47
CIELCh	85, 14.389, 211.290
Yxy	65.4464, 0.2806, 0.3218
Android (android.graphics.Color)	4289846241 (0xFFB1DBE1)
YUV	207.1260, 8.8119, -26.4205
Hunter-Lab	80.8989, -15.6566, -2.6339

Details

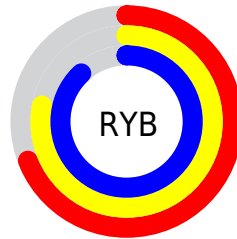
The Yxy color **65.4464, 0.2806, 0.3218** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.0945, 0.3542, 0.3361**, and the grayscale version is **62.4481, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **33.6642, 0.2723, 0.3195** is the 20% darker color. If you saturate the color by 10%, you get **61.5574, 0.2667, 0.3180**, and if you desaturate by 10%, it is **69.8014, 0.2954, 0.3253**.

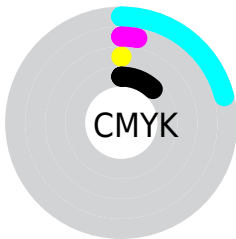
Distribution



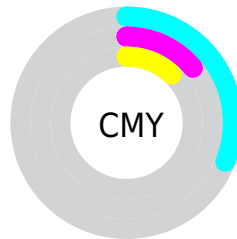
- Red (69%)
- Green (86%)
- Blue (88%)



- Red (69%)
- Yellow (78%)
- Blue (88%)



- Cyan (21%)
- Magenta (3%)
- Yellow (0%)
- Black (12%)



- Cyan (31%)
- Magenta (14%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.4464, 0.2806, 0.3218 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 65.4464, 0.2806, 0.3218 by changing the saturation by 10% instead.

■ 65.4464, 0.2806,
0.3218

■ 65.4464, 0.2806,
0.3218

444.3944, 0.2956,
0.3254

■ 47.8231, 0.2771,
0.3209

■ 112.6914, 0.2858,
0.3231

■ 33.6869, 0.2728,
0.3198

143.0819, 0.2879,
0.3236

■ 22.6531, 0.2674,
0.3183

178.4970, 0.2896,
0.3240

■ 14.3376, 0.2602,
0.3163

219.3210, 0.2911,
0.3244

■ 8.3558, 0.2503,
0.3133

265.9384, 0.2924,
0.3247

■ 4.3235, 0.2360,
0.3087

318.7335, 0.2936,

■ 1.8561, 0.2132,

0.3249

378.0907, 0.2947,
0.3252

0.3005

0.5218, 0.1079,
0.2877

0.0000, 0.0000,
0.0000

65.4464, 0.2806,
0.3218

65.4464, 0.2806,
0.3218

61.5574, 0.2667,
0.3180

69.8014, 0.2954,
0.3253

58.1051, 0.2539,
0.3139

74.6345, 0.3107,
0.3286

55.0688, 0.2426,
0.3097

79.9671, 0.3263,
0.3315

52.4230, 0.2330,
0.3054

83.4527, 0.3333,
0.3343

■ 50.1392, 0.2253,
0.3009

■ 85.0412, 0.3330,
0.3371

■ 48.1849, 0.2195,
0.2965

■ 86.6554, 0.3326,
0.3399

■ 46.5208, 0.2156,
0.2921

■ 88.2954, 0.3323,
0.3426

■ 45.2526, 0.2134,
0.2883

■ 89.9612, 0.3320,
0.3454

■ 91.6530, 0.3316,
0.3481

Harmonies

Analogous

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



65.4464, 0.2908, 0.3385



65.4464, 0.2806, 0.3218



65.4464, 0.2787, 0.3077

Triad

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



65.4464, 0.2806, 0.3218



65.4464, 0.3177, 0.3068



65.4464, 0.3401, 0.3586

Complementary

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



65.4464, 0.2806, 0.3218



53.0945, 0.3542, 0.3361

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.



65.4464, 0.3479, 0.3491



65.4464, 0.2806, 0.3218



65.4464, 0.3348, 0.3194

Square

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



65.4464, 0.2806, 0.3218



65.4464, 0.2998, 0.2996



65.4464, 0.3459, 0.3347



65.4464, 0.3250, 0.3603

Rectangle

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



65.4464, 0.2806, 0.3218



65.4464, 0.2824, 0.3016



65.4464, 0.3459, 0.3347



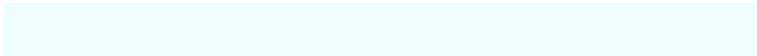
65.4464, 0.3437, 0.3562

Sweetspot

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



65.4491, 0.2806, 0.3218



95.9927, 0.3034, 0.3271



66.6157, 0.3065, 0.3810



20.4561, 0.3024, 0.3269



0.0000, 0.0000, 0.0000



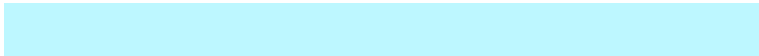
21.4041, 0.3127, 0.3290

Same Dimension

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



65.4491, 0.2806, 0.3218



84.3216, 0.2737, 0.3200



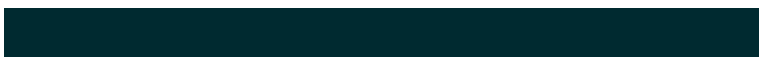
54.0263, 0.2786, 0.2931



15.2631, 0.2982, 0.3260



26.1939, 0.2136, 0.2890



1.8990, 0.2155, 0.2957

Inverse Universe

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



52.5984, 0.3200, 0.2825



64.2214, 0.3219, 0.2716



63.6350, 0.3487, 0.3625



13.9044, 0.3157, 0.3088



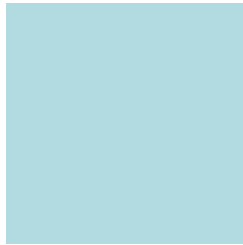
11.5523, 0.3552, 0.1731



0.8092, 0.3492, 0.1697

Previews

White Background



This preview shows how the Yxy color 65.4464, 0.2806, 0.3218 looks on a white background.

Color Contrast Check

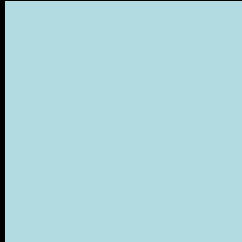
Large Text (above 18pt) WCAG AA × Fail

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 65.4464, 0.2806, 0.3218 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

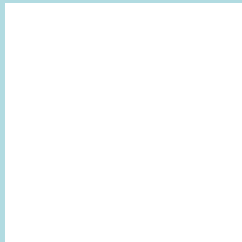
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.4464, 0.2806, 0.3218

Background



This preview shows how black text looks on a background with the Yxy color 65.4464, 0.2806, 0.3218.

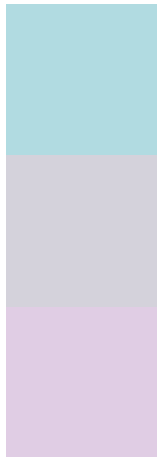


This preview shows how white text looks on a background with the Yxy color 65.4464, 0.2806, 0.3218.

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

65.4464, 0.2806, 0.3218

Protanopia

65.2047, 0.3080, 0.3189

Deuteranopia

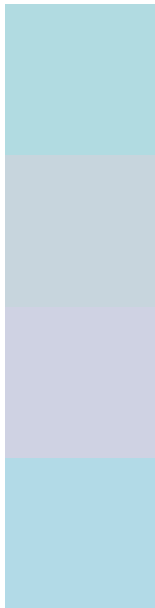
65.1114, 0.3109, 0.3041



Tritanopia

65.2076, 0.2758, 0.3080

Trichromacy



Original Color

65.4464, 0.2806, 0.3218

Protanomaly

64.9511, 0.2974, 0.3198

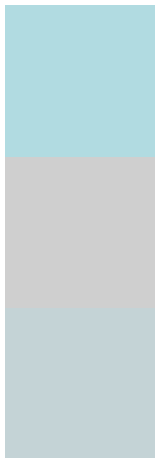
Deuteranomaly

64.9046, 0.2991, 0.3099

Tritanomaly

65.3773, 0.2776, 0.3137

Monochromacy



Original Color

65.4464, 0.2806, 0.3218

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

63.1793, 0.2998, 0.3255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.4464, 0.2806, 0.3218 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(177, 219, 225)` looks like.

```
.text, #text, p{  
    color:rgb(177, 219, 225)  
}
```

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(177, 219, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 219, 225) }
```

Border

The CSS property to change the border of an element to Yxy 65.4464, 0.2806, 0.3218 is called "border". The border property can be set on classes, ids or directly on the HTML element.

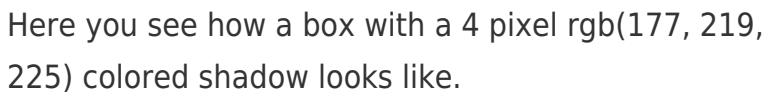
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 219, 225) }
```

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

```
.border{ border-color:rgb(177, 219, 225) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 219, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 219, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 219, 225); box-shadow:4px 4px 4px 4px rgb(177, 219, 225) }
```


Background

The CSS property to change the background color of an element to Yxy 65.4464, 0.2806, 0.3218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 219, 225) }
```

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

```
.background{ background-color: rgb(177,  
219, 225) }
```

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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