

Converting Colors

$Y_{xy}(56.1270, 0.2771, 0.3133)$

Have a look what the booklet for
Yxy(56.1270, 0.2771, 0.3133)
contains.

Yxy(56.2506, 0.2775, 0.3140)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(56.2506, 0.2775, 0.3140)

Conversions

Conversions Part 1

Format	Color
Hex	A6CCD8
RGB	166, 204, 216
RGB Percent	65%, 80%, 85%
CMY	0.3490, 0.2000, 0.1531
CMYK	0.23, 0.06, 0.00, 0.15
HSL	194°, 39%, 75%
HSV	194°, 23%, 85%
XYZ	49.7119, 56.2506, 73.1795
YIQ	194.0060, -26.5000, -4.3240

Conversions

Conversions Part 2

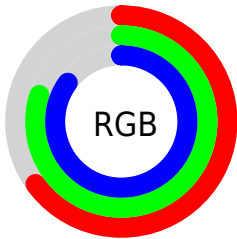
Format	Color
RYB	166, 188, 216
Decimal	10931416
CIELab	79.76, -9.89, -10.09
CIELCh	80, 14.131, 225.574
Yxy	56.2506, 0.2775, 0.3140
Android (android.graphics.Color)	4289121496 (0xFFA6CCD8)
YUV	194.0060, 10.8430, -24.5613
Hunter-Lab	75.0004, -12.9370, -5.3503

Details

The Yxy color **56.2506, 0.2775, 0.3140** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.1795, 0.3570, 0.3435**, and the grayscale version is **53.9006, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **27.8966, 0.2687, 0.3104** is the 20% darker color. If you saturate the color by 10%, you get **51.6933, 0.2630, 0.3066**, and if you desaturate by 10%, it is **61.2860, 0.2926, 0.3209**.

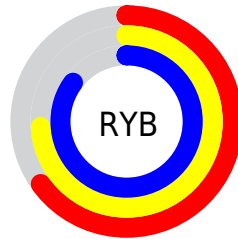
Distribution



Red (65%)

Green (80%)

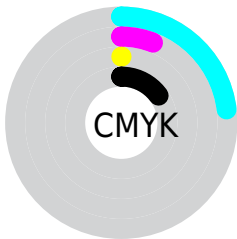
Blue (85%)



Red (65%)

Yellow (74%)

Blue (85%)

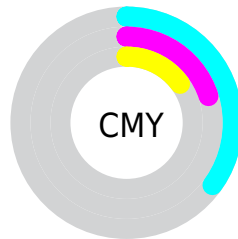


Cyan (23%)

Magenta (6%)

Yellow (0%)

Black (15%)



Cyan (35%)

Magenta (20%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.2506, 0.2775, 0.3140 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 56.2506, 0.2775, 0.3140 by changing the saturation by 10% instead.

■ 56.2506, 0.2775,
0.3140

■ 56.2506, 0.2775,
0.3140

■ 410.6352, 0.2944,
0.3215

■ 40.4039, 0.2735,
0.3122

■ 99.3709, 0.2835,
0.3167

■ 27.8536, 0.2685,
0.3098

■ 127.4132, 0.2857,
0.3177

■ 18.2153, 0.2620,
0.3067

■ 160.2896, 0.2877,
0.3186

■ 11.1047, 0.2534,
0.3024

■ 198.3844, 0.2894,
0.3193

■ 6.1373, 0.2412,
0.2961

■ 242.0819, 0.2909,
0.3200

■ 2.9287, 0.2229,
0.2861

■ 291.7666, 0.2922,

■ 1.0946, 0.1923,

0.3205

0.2681

347.8229, 0.2933,
0.3210

0.0000, 0.0000,
0.0000

56.2506, 0.2775,
0.3140

56.2506, 0.2775,
0.3140

51.6933, 0.2630,
0.3066

61.2860, 0.2926,
0.3209

47.5870, 0.2494,
0.2986

66.8117, 0.3079,
0.3272

43.9119, 0.2371,
0.2902

72.8477, 0.3232,
0.3328

40.6437, 0.2263,
0.2815

79.4108, 0.3384,
0.3379

37.7556, 0.2173,
0.2726

82.7339, 0.3395,
0.3430

■ 35.2163, 0.2102,
0.2637

■ 85.6531, 0.3387,
0.3481

■ 32.9887, 0.2051,
0.2548

■ 88.6584, 0.3379,
0.3531

■ 31.5962, 0.2025,
0.2488

■ 91.7505, 0.3372,
0.3581

■ 94.9302, 0.3364,
0.3630

Harmonies

Analogous

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



56.2506, 0.2841, 0.3306



56.2506, 0.2775, 0.3140



56.2506, 0.2799, 0.3022

Triad

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



56.2506, 0.2775, 0.3140



56.2506, 0.3267, 0.3117



56.2506, 0.3343, 0.3616

Complementary

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



56.2506, 0.2775, 0.3140



49.1795, 0.3570, 0.3435

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.



56.2506, 0.3464, 0.3553



56.2506, 0.2775, 0.3140



56.2506, 0.3420, 0.3265

Square

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



56.2506, 0.2775, 0.3140



56.2506, 0.3080, 0.3013



56.2506, 0.3493, 0.3423



56.2506, 0.3166, 0.3588

Rectangle

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



56.2506, 0.2775, 0.3140



56.2506, 0.2864, 0.2984



56.2506, 0.3493, 0.3423



56.2506, 0.3392, 0.3604

Sweetspot

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



56.2529, 0.2775, 0.3140



94.0733, 0.3019, 0.3248



60.4045, 0.3022, 0.3781



20.0299, 0.3009, 0.3244



0.0000, 0.0000, 0.0000



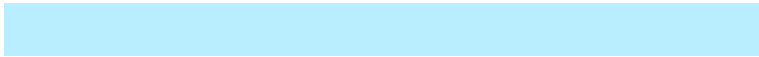
21.4041, 0.3127, 0.3290

Same Dimension

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



56.2529, 0.2775, 0.3140



78.4529, 0.2700, 0.3102



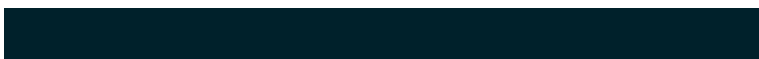
45.4399, 0.2750, 0.2820



13.5804, 0.2982, 0.3233



18.8829, 0.2028, 0.2502



1.2630, 0.2071, 0.2654

Inverse Universe

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



46.2319, 0.3255, 0.2848



61.5423, 0.3290, 0.2747



59.8926, 0.3507, 0.3719



12.5795, 0.3174, 0.3114



10.2511, 0.3921, 0.1934



0.6308, 0.3772, 0.1852

Previews

White Background



This preview shows how the Yxy color 56.2506, 0.2775, 0.3140 looks on a white background.

Color Contrast Check

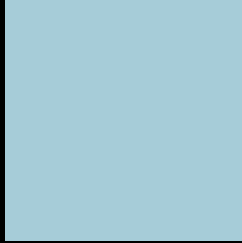
Large Text (above 18pt) WCAG AA × Fail

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 56.2506, 0.2775, 0.3140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

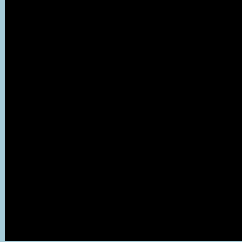
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

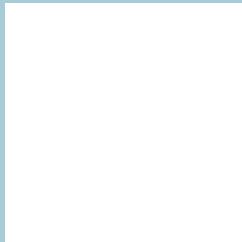
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.2506, 0.2775, 0.3140

Background



This preview shows how black text looks on a background with the Yxy color 56.2506, 0.2775, 0.3140.

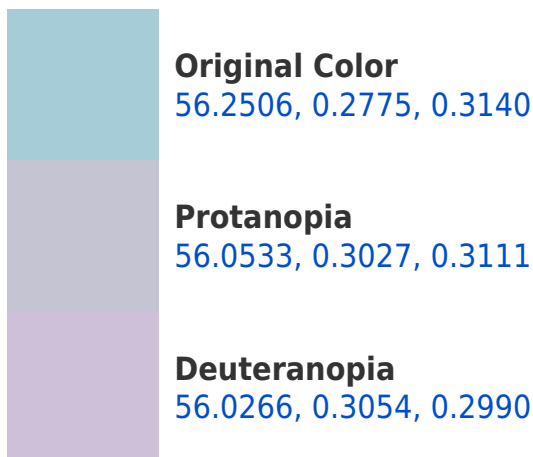


This preview shows how white text looks on a background with the Yxy color 56.2506, 0.2775, 0.3140.

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

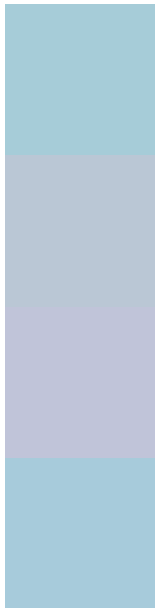




Tritanopia

56.0947, 0.2756, 0.3079

Trichromacy



Original Color

56.2506, 0.2775, 0.3140

Protanomaly

56.0900, 0.2931, 0.3120

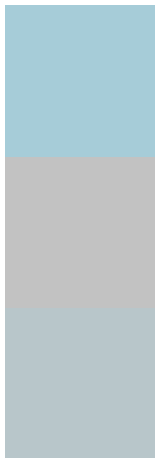
Deuteranomaly

55.6961, 0.2947, 0.3039

Tritanomaly

56.0418, 0.2762, 0.3091

Monochromacy



Original Color

56.2506, 0.2775, 0.3140

Achromatopsia

53.9479, 0.3127, 0.3290

Achromatomaly

54.8428, 0.2991, 0.3240

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.2506, 0.2775, 0.3140 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(166, 204, 216)` looks like.

```
.text, #text, p{  
    color:rgb(166, 204, 216)  
}
```

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(166, 204, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 204, 216) }
```

Border

The CSS property to change the border of an element to Yxy 56.2506, 0.2775, 0.3140 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(166, 204, 216) }
```

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

```
.border{ border-color:rgb(166, 204, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 204, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 204, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 204, 216); box-shadow:4px 4px 4px 4px rgb(166, 204, 216) }
```


Background

The CSS property to change the background color of an element to Yxy 56.2506, 0.2775, 0.3140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 204, 216) }
```

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

```
.background{ background-color: rgb(166,  
204, 216) }
```

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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