

Converting Colors

$Yxy(45.6337, 0.2615, 0.3009)$

Have a look what the booklet for
Yxy(45.6337, 0.2615, 0.3009)
contains.

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Color

Yxy(45.4980, 0.2616, 0.3003)

Conversions

Conversions Part 1

Format	Color
Hex	8ABBD0
RGB	138, 187, 208
RGB Percent	54%, 73%, 82%
CMY	0.4589, 0.2666, 0.1843
CMYK	0.34, 0.10, 0.00, 0.18
HSL	198°, 43%, 68%
HSV	198°, 34%, 82%
XYZ	39.6346, 45.4980, 66.3759
YIQ	174.7430, -35.9450, -3.8570

Conversions

Conversions Part 2

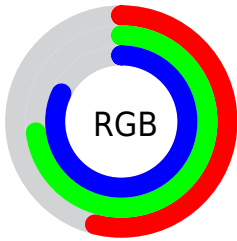
Format	Color
R _{YB}	138, 167, 208
Decimal	9092048
CIE Lab	73.22, -11.01, -15.76
CIE LCh	73, 19.224, 235.049
Yxy	45.4980, 0.2616, 0.3003
Android (android.graphics.Color)	4287282128 (0xFF8ABBD0)
YUV	174.7430, 16.3957, -32.2236
Hunter-Lab	67.4522, -13.1555, -11.1274

Details

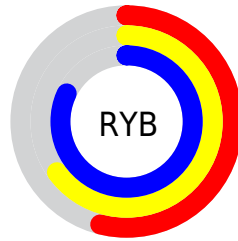
The Yxy color $45.4980, 0.2616, 0.3003$ is a light color, and the websafe version is hex $99CCCC$. A complement of this color would be $40.0364, 0.3821, 0.3558$, and the grayscale version is $42.6564, 0.3127, 0.3290$.

A 20% lighter version of the original color is $82.6586, 0.2757, 0.3161$, and $21.3146, 0.2475, 0.2914$ is the 20% darker color. If you saturate the color by 10%, you get $41.3025, 0.2475, 0.2902$, and if you desaturate by 10%, it is $50.1519, 0.2765, 0.3097$.

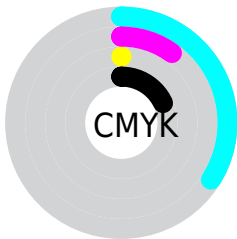
Distribution



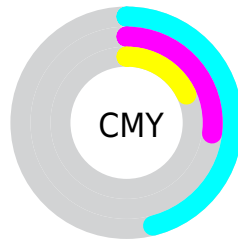
- Red (54%)
- Green (73%)
- Blue (82%)



- Red (54%)
- Yellow (65%)
- Blue (82%)



- Cyan (34%)
- Magenta (10%)
- Yellow (0%)
- Black (18%)



- Cyan (46%)
- Magenta (27%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.4980, 0.2616, 0.3003 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 45.4980, 0.2616, 0.3003 by changing the saturation by 10% instead.

■ 45.4980, 0.2616,
0.3003

■ 45.4980, 0.2616,
0.3003

■ 368.7867, 0.2868,
0.3150

■ 31.8499, 0.2554,
0.2965

■ 83.4672, 0.2707,
0.3057

■ 21.2468, 0.2476,
0.2917

■ 108.5571, 0.2741,
0.3077

■ 13.3046, 0.2374,
0.2851

■ 138.2296, 0.2770,
0.3094

■ 7.6386, 0.2235,
0.2759

■ 172.8693, 0.2795,
0.3109

■ 3.8646, 0.2034,
0.2619

■ 212.8604, 0.2817,
0.3121

■ 1.5981, 0.1726,
0.2389

■ 258.5875, 0.2836,

■ 0.3563, 0.0346,

0.3132

0.1767

310.4348, 0.2853,
0.3142

■ 0.0000, 0.0000,
0.0000

■ 45.4980, 0.2616,
0.3003

■ 45.4980, 0.2616,
0.3003

■ 41.3025, 0.2475,
0.2902

■ 50.1519, 0.2765,
0.3097

■ 37.5390, 0.2345,
0.2795

■ 55.2781, 0.2917,
0.3184

■ 34.1865, 0.2229,
0.2684

■ 60.8965, 0.3071,
0.3263

■ 31.2194, 0.2131,
0.2571

■ 67.0240, 0.3223,
0.3334

■ 28.6084, 0.2052,
0.2457

■ 73.6767, 0.3372,
0.3398

■ 26.3185, 0.1994,
0.2344

■ 79.3636, 0.3459,
0.3457

■ 24.9970, 0.1965,
0.2273

■ 82.7877, 0.3447,
0.3519

■ 86.3363, 0.3436,
0.3579

■ 90.0106, 0.3426,
0.3639

Harmonies

Analogous

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



45.4980, 0.2670, 0.3228



45.4980, 0.2616, 0.3003



45.4980, 0.2691, 0.2868

Triad

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



45.4980, 0.2616, 0.3003



45.4980, 0.3411, 0.3102



45.4980, 0.3363, 0.3773

Complementary

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



45.4980, 0.2616, 0.3003



40.0364, 0.3821, 0.3558

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.



45.4980, 0.3575, 0.3713



45.4980, 0.2616, 0.3003



45.4980, 0.3606, 0.3322

Square

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



45.4980, 0.2616, 0.3003



45.4980, 0.3142, 0.2931



45.4980, 0.3666, 0.3544



45.4980, 0.3094, 0.3690

Rectangle

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



45.4980, 0.2616, 0.3003



45.4980, 0.2806, 0.2840



45.4980, 0.3666, 0.3544



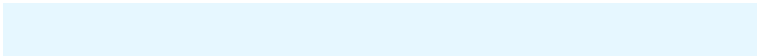
45.4980, 0.3443, 0.3768

Sweetspot

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



45.4998, 0.2616, 0.3003



90.6973, 0.2972, 0.3213



52.9823, 0.2956, 0.3996



19.1471, 0.2950, 0.3202



0.0000, 0.0000, 0.0000



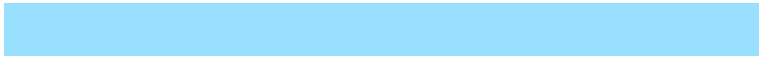
21.4041, 0.3127, 0.3290

Same Dimension

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



45.4998, 0.2616, 0.3003



67.5228, 0.2519, 0.2935



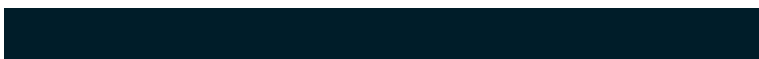
32.7878, 0.2554, 0.2516



12.7834, 0.2983, 0.3219



15.7533, 0.1969, 0.2289



1.0162, 0.2026, 0.2494

Inverse Universe

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



35.1701, 0.3371, 0.2690



49.4464, 0.3437, 0.2569



53.3151, 0.3686, 0.3959



11.9461, 0.3183, 0.3129



9.6616, 0.4138, 0.2053



0.5539, 0.3928, 0.1937

Previews

White Background



This preview shows how the Yxy color 45.4980, 0.2616, 0.3003 looks on a white background.

Color Contrast Check

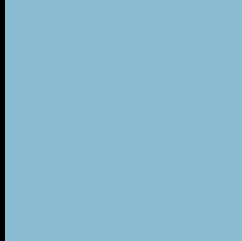
Large Text (above 18pt) WCAG AA × Fail

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 45.4980, 0.2616, 0.3003 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

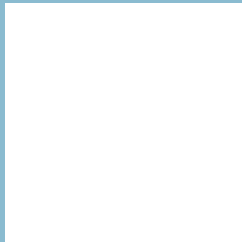
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.4980, 0.2616, 0.3003

Background



This preview shows how black text looks on a background with the Yxy color 45.4980, 0.2616, 0.3003.



This preview shows how white text looks on a background with the Yxy color 45.4980, 0.2616, 0.3003.

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

45.4980, 0.2616, 0.3003

Protanopia

45.3352, 0.2925, 0.2981

Deuteranopia

45.1869, 0.2898, 0.2838



Tritanopia

45.5966, 0.2642, 0.3083

Trichromacy



Original Color

45.4980, 0.2616, 0.3003

Protanomaly

45.0888, 0.2803, 0.2986

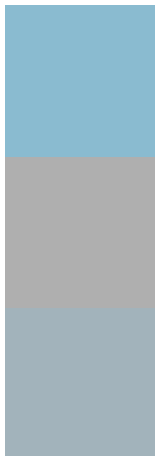
Deuteranomaly

44.8927, 0.2782, 0.2887

Tritanomaly

45.6926, 0.2630, 0.3056

Monochromacy



Original Color

45.4980, 0.2616, 0.3003

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

43.5094, 0.2923, 0.3180

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4980, 0.2616, 0.3003 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(138, 187, 208)` looks like.

```
.text, #text, p{  
    color:rgb(138, 187, 208)  
}
```

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(138, 187, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 187, 208) }
```

Border

The CSS property to change the border of an element to Yxy 45.4980, 0.2616, 0.3003 is called "border". The border property can be set on classes, ids or directly on the HTML element.

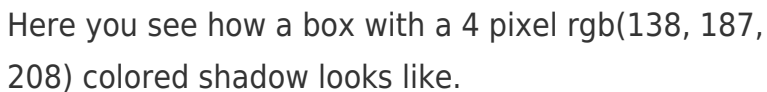
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(138, 187, 208) }
```

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

```
.border{ border-color:rgb(138, 187, 208) }
```

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



Here you see how a box with a 4 pixel `rgb(138, 187, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(138, 187, 208); -webkit-box-shadow:4px 4px 4px 4px rgb(138, 187, 208); box-shadow:4px 4px 4px 4px rgb(138, 187, 208) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4980, 0.2616, 0.3003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 187, 208) }
```

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

```
.background{ background-color: rgb(138,  
187, 208) }
```

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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