

Converting Colors

$Y_{xy}(45.5773, 0.2639, 0.3110)$

Have a look what the booklet for
Yxy(45.5773, 0.2639, 0.3110)
contains.

Yxy(45.7631, 0.2643, 0.3123)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.7631, 0.2643, 0.3123)

Conversions

Conversions Part 1

Format	Color
Hex	87BDC9
RGB	135, 189, 201
RGB Percent	53%, 74%, 79%
CMY	0.4706, 0.2588, 0.2118
CMYK	0.33, 0.06, 0.00, 0.21
HSL	191°, 38%, 66%
HSV	191°, 33%, 79%
XYZ	38.7294, 45.7631, 62.0432
YIQ	174.2220, -36.0360, -7.7160

Conversions

Conversions Part 2

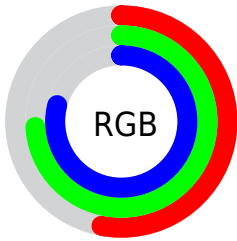
Format	Color
RYB	135, 165, 201
Decimal	8895945
CIELab	73.39, -14.62, -11.69
CIElCh	73, 18.720, 218.627
Yxy	45.7631, 0.2643, 0.3123
Android (android.graphics.Color)	4287086025 (0xFF87BDC9)
YUV	174.2220, 13.2016, -34.3977
Hunter-Lab	67.6484, -16.1918, -7.0234

Details

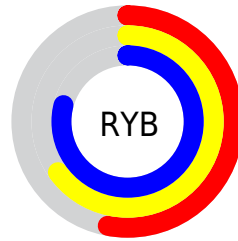
The Yxy color **45.7631, 0.2643, 0.3123** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **35.0245, 0.3830, 0.3449**, and the grayscale version is **42.3918, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4720, 0.2742, 0.3182**, and **21.5087, 0.2511, 0.3078** is the 20% darker color. If you saturate the color by 10%, you get **42.7019, 0.2513, 0.3064**, and if you desaturate by 10%, it is **49.1821, 0.2784, 0.3179**.

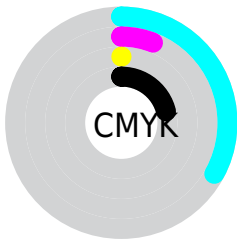
Distribution



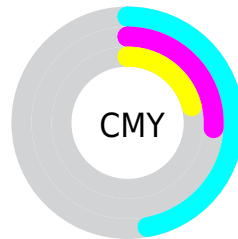
- Red (53%)
- Green (74%)
- Blue (79%)



- Red (53%)
- Yellow (65%)
- Blue (79%)



- Cyan (33%)
- Magenta (6%)
- Yellow (0%)
- Black (21%)



- Cyan (47%)
- Magenta (26%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.7631, 0.2643, 0.3123 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 45.7631, 0.2643, 0.3123 by changing the saturation by 10% instead.

■ 45.7631, 0.2643,
0.3123

■ 45.7631, 0.2643,
0.3123

■ 369.8554, 0.2882,
0.3211

■ 32.0589, 0.2585,
0.3100

■ 83.8643, 0.2729,
0.3156

■ 21.4065, 0.2510,
0.3070

■ 109.0302, 0.2761,
0.3168

■ 13.4215, 0.2412,
0.3028

■ 138.7854, 0.2789,
0.3178

■ 7.7194, 0.2279,
0.2968

■ 173.5143, 0.2813,
0.3186

■ 3.9159, 0.2085,
0.2875

■ 213.6014, 0.2833,
0.3194

■ 1.6266, 0.1784,
0.2712

■ 259.4310, 0.2852,

■ 0.3755, 0.0000,

0.3200

0.2310

311.3876, 0.2868,
0.3206

0.0000, 0.0000,
0.0000

45.7631, 0.2643,
0.3123

45.7631, 0.2643,
0.3123

42.7019, 0.2513,
0.3064

49.1821, 0.2784,
0.3179

39.9750, 0.2396,
0.3002

52.9702, 0.2931,
0.3230

37.5645, 0.2295,
0.2938

57.1446, 0.3084,
0.3277

35.4482, 0.2213,
0.2872

61.7200, 0.3237,
0.3320

33.6007, 0.2150,
0.2807

66.7100, 0.3390,
0.3359

■ 31.9915, 0.2105,
0.2742

■ 72.0166, 0.3536,
0.3393

■ 30.9459, 0.2082,
0.2695

■ 73.8494, 0.3528,
0.3430

■ 75.7236, 0.3521,
0.3467

■ 77.6395, 0.3513,
0.3503

Harmonies

Analogous

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



45.7631, 0.2761, 0.3368



45.7631, 0.2643, 0.3123



45.7631, 0.2648, 0.2939

Triad

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



45.7631, 0.2643, 0.3123



45.7631, 0.3264, 0.3007



45.7631, 0.3480, 0.3743

Complementary

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



45.7631, 0.2643, 0.3123



35.0245, 0.3830, 0.3449

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.



45.7631, 0.3628, 0.3621



45.7631, 0.2643, 0.3123



45.7631, 0.3502, 0.3200

Square

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



45.7631, 0.2643, 0.3123



45.7631, 0.2997, 0.2883



45.7631, 0.3637, 0.3422



45.7631, 0.3241, 0.3740

Rectangle

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



45.7631, 0.2643, 0.3123



45.7631, 0.2720, 0.2871



45.7631, 0.3637, 0.3422



45.7631, 0.3543, 0.3714

Sweetspot

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



45.7649, 0.2643, 0.3123



92.5619, 0.2972, 0.3243



48.9938, 0.3010, 0.4090



19.6002, 0.2951, 0.3236



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.



45.7649, 0.2643, 0.3123



74.7788, 0.2554, 0.3084



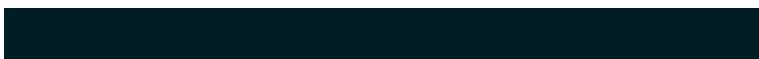
33.4775, 0.2585, 0.2656



11.7274, 0.2984, 0.3247



19.5828, 0.2085, 0.2705



1.0150, 0.2122, 0.2839

Inverse Universe

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



33.4160, 0.3283, 0.2616



50.9973, 0.3323, 0.2480



46.4014, 0.3699, 0.3851



10.7823, 0.3165, 0.3103



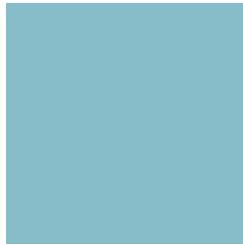
9.5169, 0.3724, 0.1825



0.4595, 0.3598, 0.1756

Previews

White Background



This preview shows how the Yxy color 45.7631, 0.2643, 0.3123 looks on a white background.

Color Contrast Check

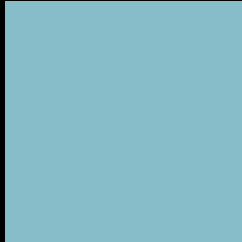
Large Text (above 18pt) WCAG AA × Fail

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 45.7631, 0.2643, 0.3123 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

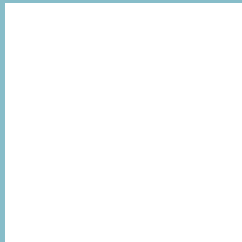
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.7631, 0.2643, 0.3123

Background



This preview shows how black text looks on a background with the Yxy color 45.7631, 0.2643, 0.3123.



This preview shows how white text looks on a background with the Yxy color 45.7631, 0.2643, 0.3123.

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

45.7631, 0.2643, 0.3123

Protanopia

45.2008, 0.3001, 0.3082

Deuteranopia

45.4587, 0.2991, 0.2925



Tritanopia

45.9891, 0.2631, 0.3083

Trichromacy



Original Color

45.7631, 0.2643, 0.3123

Protanomaly

45.1685, 0.2852, 0.3089

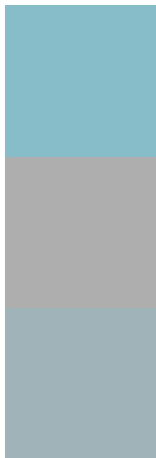
Deuteranomaly

45.1698, 0.2847, 0.2988

Tritanomaly

45.9412, 0.2637, 0.3096

Monochromacy



Original Color

45.7631, 0.2643, 0.3123

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.1745, 0.2929, 0.3221

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7631, 0.2643, 0.3123 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(135, 189, 201)` looks like.

```
.text, #text, p{  
    color:rgb(135, 189, 201)  
}
```

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(135, 189, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 189, 201) }
```

Border

The CSS property to change the border of an element to Yxy 45.7631, 0.2643, 0.3123 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(135, 189, 201) }
```

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

```
.border{ border-color:rgb(135, 189, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 189, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 189, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 189, 201);  
box-shadow:4px 4px 4px 4px rgb(135, 189,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7631, 0.2643, 0.3123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 189, 201) }
```

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

```
.background{ background-color: rgb(135,  
189, 201) }
```

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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