

Converting Colors

$Y_{xy}(45.0210, 0.2744, 0.3112)$

Have a look what the booklet for
Yxy(45.0210, 0.2744, 0.3112)
contains.

Yxy(45.0710, 0.2744, 0.3111)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.0710, 0.2744, 0.3111)

Conversions

Conversions Part 1

Format	Color
Hex	94B9C6
RGB	148, 185, 198
RGB Percent	58%, 73%, 78%
CMY	0.4197, 0.2745, 0.2234
CMYK	0.25, 0.07, 0.00, 0.22
HSL	196°, 31%, 68%
HSV	196°, 25%, 78%
XYZ	39.7540, 45.0710, 60.0512
YIQ	175.4190, -26.2250, -3.8010

Conversions

Conversions Part 2

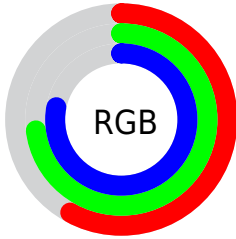
Format	Color
R_{YB}	148, 169, 198
Decimal	9746886
CIE Lab	72.94, -9.43, -10.67
CIE LCh	73, 14.243, 228.533
Yxy	45.0710, 0.2744, 0.3111
Android (android.graphics.Color)	4287936966 (0xFF94B9C6)
YUV	175.4190, 11.1324, -24.0465
Hunter-Lab	67.1349, -11.7871, -6.0396

Details

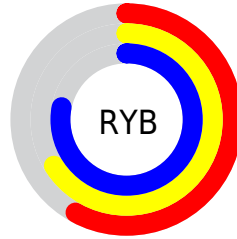
The Yxy color **45.0710, 0.2744, 0.3111** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.6387, 0.3615, 0.3462**, and the grayscale version is **43.0487, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8271, 0.2812, 0.3142**, and **21.0029, 0.2640, 0.3062** is the 20% darker color. If you saturate the color by 10%, you get **41.2640, 0.2600, 0.3029**, and if you desaturate by 10%, it is **49.2757, 0.2894, 0.3187**.

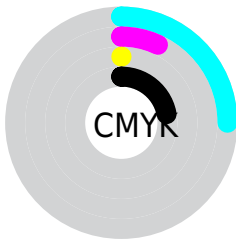
Distribution



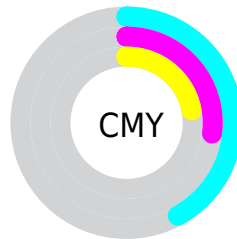
- Red (58%)
- Green (73%)
- Blue (78%)



- Red (58%)
- Yellow (66%)
- Blue (78%)



- Cyan (25%)
- Magenta (7%)
- Yellow (0%)
- Black (22%)



- Cyan (42%)
- Magenta (27%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.0710, 0.2744, 0.3111 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 45.0710, 0.2744, 0.3111 by changing the saturation by 10% instead.

■ 45.0710, 0.2744,
0.3111

■ 45.0710, 0.2744,
0.3111

367.0610, 0.2934,
0.3203

■ 31.5134, 0.2697,
0.3087

■ 82.8269, 0.2813,
0.3145

■ 20.9901, 0.2637,
0.3056

■ 107.7940, 0.2839,
0.3158

■ 13.1167, 0.2557,
0.3014

137.3331, 0.2861,
0.3168

■ 7.5090, 0.2448,
0.2954

171.8284, 0.2880,
0.3177

■ 3.7824, 0.2287,
0.2862

211.6645, 0.2896,
0.3185

■ 1.5526, 0.2030,
0.2704

257.2257, 0.2910,

■ 0.3253, 0.0523,

0.3192

0.2153

308.8964, 0.2923,
0.3198

0.0000, 0.0000,
0.0000

45.0710, 0.2744,
0.3111

45.0710, 0.2744,
0.3111

41.2640, 0.2600,
0.3029

49.2757, 0.2894,
0.3187

37.8325, 0.2465,
0.2942

53.8884, 0.3046,
0.3256

34.7598, 0.2342,
0.2850

58.9257, 0.3199,
0.3319

32.0258, 0.2235,
0.2755

64.4016, 0.3349,
0.3375

29.6080, 0.2145,
0.2658

70.3294, 0.3496,
0.3425

■ 27.4802, 0.2075,
0.2560

■ 74.4155, 0.3547,
0.3474

■ 25.6109, 0.2025,
0.2464

■ 77.0970, 0.3536,
0.3526

■ 24.7891, 0.2005,
0.2419

■ 79.8621, 0.3525,
0.3577

■ 82.7115, 0.3514,
0.3627

Harmonies

Analogous

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



45.0710, 0.2806, 0.3288



45.0710, 0.2744, 0.3111



45.0710, 0.2780, 0.2991

Triad

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



45.0710, 0.2744, 0.3111



45.0710, 0.3298, 0.3117



45.0710, 0.3344, 0.3646

Complementary

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



45.0710, 0.2744, 0.3111



39.6387, 0.3615, 0.3462

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.



45.0710, 0.3483, 0.3585



45.0710, 0.2744, 0.3111



45.0710, 0.3458, 0.3279

Square

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



45.0710, 0.2744, 0.3111



45.0710, 0.3095, 0.2999



45.0710, 0.3526, 0.3449



45.0710, 0.3149, 0.3606

Rectangle

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



45.0710, 0.2744, 0.3111



45.0710, 0.2856, 0.2955



45.0710, 0.3526, 0.3449



45.0710, 0.3399, 0.3636

Sweetspot

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



45.0728, 0.2744, 0.3111



92.9932, 0.3003, 0.3237



49.2531, 0.3008, 0.3818



19.6342, 0.2980, 0.3227



0.0000, 0.0000, 0.0000



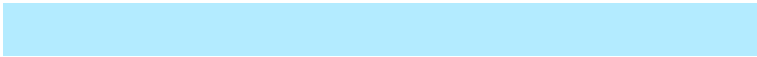
21.4041, 0.3127, 0.3290

Same Dimension

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



45.0728, 0.2744, 0.3111



76.2122, 0.2669, 0.3069



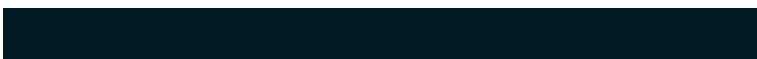
35.6839, 0.2713, 0.2761



11.5822, 0.2984, 0.3228



16.2594, 0.2009, 0.2432



0.8826, 0.2064, 0.2631

Inverse Universe

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



36.6852, 0.3279, 0.2821



59.3035, 0.3317, 0.2722



49.0639, 0.3540, 0.3768



10.7677, 0.3177, 0.3121



9.1814, 0.3991, 0.1972



0.4461, 0.3794, 0.1864

Previews

White Background



This preview shows how the Yxy color 45.0710, 0.2744, 0.3111 looks on a white background.

Color Contrast Check

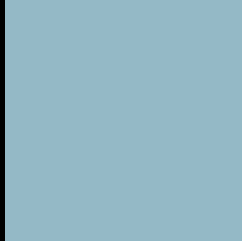
Large Text (above 18pt) WCAG AA × Fail

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 45.0710, 0.2744, 0.3111 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 45.0710, 0.2744, 0.3111

Background



This preview shows how black text looks on a background with the Yxy color 45.0710, 0.2744, 0.3111.



This preview shows how white text looks on a background with the Yxy color 45.0710, 0.2744, 0.3111.

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

45.0710, 0.2744, 0.3111

Protanopia

44.6416, 0.3001, 0.3081

Deuteranopia

44.8813, 0.3022, 0.2961



Tritanopia

45.1640, 0.2731, 0.3085

Trichromacy



Original Color

45.0710, 0.2744, 0.3111

Protanomaly

44.6896, 0.2897, 0.3090

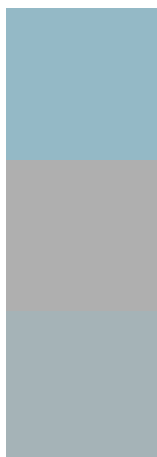
Deuteranomaly

44.7350, 0.2915, 0.3015

Tritanomaly

45.1173, 0.2738, 0.3098

Monochromacy



Original Color

45.0710, 0.2744, 0.3111

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

43.6584, 0.2978, 0.3235

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0710, 0.2744, 0.3111 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(148, 185, 198)` looks like.

```
.text, #text, p{  
    color:rgb(148, 185, 198)  
}
```

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(148, 185, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 185, 198) }
```

Border

The CSS property to change the border of an element to Yxy 45.0710, 0.2744, 0.3111 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(148, 185, 198) }
```

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

```
.border{ border-color:rgb(148, 185, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 185, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(148, 185, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(148, 185, 198); box-shadow:4px 4px 4px 4px rgb(148, 185, 198) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0710, 0.2744, 0.3111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 185, 198) }
```

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

```
.background{ background-color: rgb(148,  
185, 198) }
```

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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