

Converting Colors

Yxy(55.8728, 0.2694, 0.3162)

Have a look what the booklet for
Yxy(55.8728, 0.2694, 0.3162)
contains.

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Color

Yxy(55.8728, 0.2694, 0.3162)

Conversions

Conversions Part 1

Format	Color
Hex	99CED8
RGB	153, 206, 216
RGB Percent	60%, 81%, 85%
CMY	0.3999, 0.1921, 0.1530
CMYK	0.29, 0.05, 0.00, 0.15
HSL	190°, 45%, 72%
HSV	190°, 29%, 85%
XYZ	47.6032, 55.8728, 73.2248
YIQ	191.2930, -34.7980, -8.1260

Conversions

Conversions Part 2

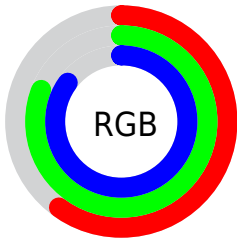
Format	Color
R _{YB}	153, 182, 216
Decimal	10079960
CIE Lab	79.54, -14.74, -10.50
CIE LCh	80, 18.100, 215.452
Yxy	55.8728, 0.2694, 0.3162
Android (android.graphics.Color)	4288270040 (0xFF99CED8)
YUV	191.2930, 12.1806, -33.5830
Hunter-Lab	74.7481, -17.1318, -5.7581

Details

The Yxy color **55.8728, 0.2694, 0.3162** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.0898, 0.3736, 0.3414**, and the grayscale version is **52.2252, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2953, 0.2855, 0.3289**, and **27.7390, 0.2589, 0.3134** is the 20% darker color. If you saturate the color by 10%, you get **52.3300, 0.2561, 0.3111**, and if you desaturate by 10%, it is **59.8363, 0.2837, 0.3209**.

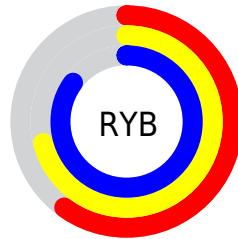
Distribution



Red (60%)

Green (81%)

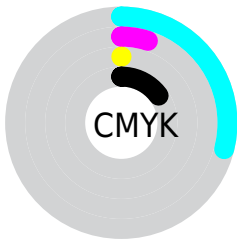
Blue (85%)



Red (60%)

Yellow (71%)

Blue (85%)

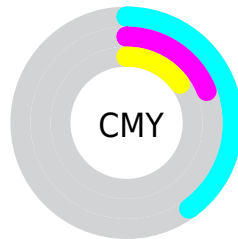


Cyan (29%)

Magenta (5%)

Yellow (0%)

Black (15%)



Cyan (40%)

Magenta (19%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.8728, 0.2694, 0.3162 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 55.8728, 0.2694, 0.3162 by changing the saturation by 10% instead.

■ 55.8728, 0.2694,
0.3162

■ 55.8728, 0.2694,
0.3162

409.2120, 0.2901,
0.3227

■ 40.1009, 0.2645,
0.3145

■ 98.8186, 0.2767,
0.3186

■ 27.6173, 0.2584,
0.3124

■ 126.7613, 0.2795,
0.3195

■ 18.0373, 0.2505,
0.3095

159.5297, 0.2819,
0.3202

■ 10.9768, 0.2400,
0.3055

197.5083, 0.2840,
0.3209

■ 6.0512, 0.2252,
0.2995

241.0815, 0.2858,
0.3214

■ 2.8763, 0.2033,
0.2897

290.6335, 0.2874,

■ 1.0675, 0.1643,

0.3219

0.2724

346.5489, 0.2888,
0.3224

0.0000, 0.0000,
0.0000

55.8728, 0.2694,
0.3162

55.8728, 0.2694,
0.3162

52.3300, 0.2561,
0.3111

59.8363, 0.2837,
0.3209

49.1804, 0.2441,
0.3058

64.2331, 0.2987,
0.3253

46.4037, 0.2337,
0.3003

69.0832, 0.3140,
0.3293

43.9745, 0.2251,
0.2947

74.4037, 0.3295,
0.3329

41.8642, 0.2185,
0.2890

79.0522, 0.3405,
0.3363

■ 40.0391, 0.2137,
0.2833

■ 80.9006, 0.3400,
0.3397

■ 38.4442, 0.2106,
0.2777

■ 82.7861, 0.3395,
0.3431

■ 38.3131, 0.2104,
0.2772

■ 84.7091, 0.3389,
0.3464

■ 86.6697, 0.3384,
0.3498

Harmonies

Analogous

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



55.8728, 0.2813, 0.3385



55.8728, 0.2694, 0.3162



55.8728, 0.2686, 0.2987

Triad

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



55.8728, 0.2694, 0.3162



55.8728, 0.3226, 0.3018



55.8728, 0.3466, 0.3693

Complementary

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



55.8728, 0.2694, 0.3162



43.0898, 0.3736, 0.3414

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.



55.8728, 0.3587, 0.3575



55.8728, 0.2694, 0.3162



55.8728, 0.3446, 0.3189

Square

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



55.8728, 0.2694, 0.3162



55.8728, 0.2986, 0.2913



55.8728, 0.3581, 0.3390



55.8728, 0.3256, 0.3702

Rectangle

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



55.8728, 0.2694, 0.3162



55.8728, 0.2744, 0.2917



55.8728, 0.3581, 0.3390



55.8728, 0.3519, 0.3664

Sweetspot

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



55.8750, 0.2694, 0.3162



93.6060, 0.2988, 0.3254



58.4998, 0.3029, 0.4004



19.8254, 0.2965, 0.3247



0.0000, 0.0000, 0.0000



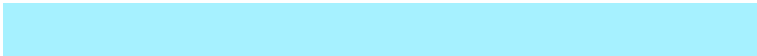
21.4041, 0.3127, 0.3290

Same Dimension

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



55.8750, 0.2694, 0.3162



78.1271, 0.2611, 0.3131



42.4135, 0.2650, 0.2749



13.7571, 0.2983, 0.3252



22.8145, 0.2106, 0.2781



1.4681, 0.2133, 0.2878

Inverse Universe

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



41.8419, 0.3249, 0.2674



54.7841, 0.3281, 0.2543



55.4544, 0.3633, 0.3777



12.5973, 0.3162, 0.3096



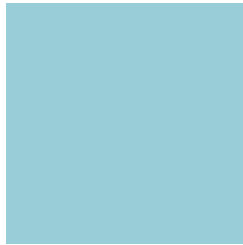
10.6480, 0.3652, 0.1786



0.6515, 0.3563, 0.1737

Previews

White Background



This preview shows how the Yxy color 55.8728, 0.2694, 0.3162 looks on a white background.

Color Contrast Check

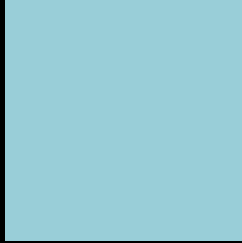
Large Text (above 18pt) WCAG AA × Fail

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 55.8728, 0.2694, 0.3162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

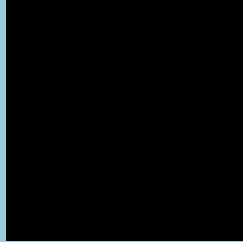
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.8728, 0.2694, 0.3162

Background



This preview shows how black text looks on a background with the Yxy color 55.8728, 0.2694, 0.3162.



This preview shows how white text looks on a background with the Yxy color 55.8728, 0.2694, 0.3162.

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

55.8728, 0.2694, 0.3162

Protanopia

55.3694, 0.3033, 0.3122

Deuteranopia

55.3552, 0.3032, 0.2965



Tritanopia

55.8066, 0.2664, 0.3075

Trichromacy



Original Color

55.8728, 0.2694, 0.3162

Protanomaly

55.3036, 0.2894, 0.3130

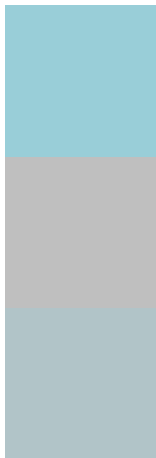
Deuteranomaly

54.9809, 0.2896, 0.3024

Tritanomaly

55.7000, 0.2675, 0.3100

Monochromacy



Original Color

55.8728, 0.2694, 0.3162

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

52.9971, 0.2952, 0.3239

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.8728, 0.2694, 0.3162 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(153, 206, 216)` looks like.

```
.text, #text, p{  
    color:rgb(153, 206, 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(153, 206, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 206, 216) }
```

Border

The CSS property to change the border of an element to Yxy 55.8728, 0.2694, 0.3162 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(153, 206, 216) }
```

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

```
.border{ border-color:rgb(153, 206, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 206, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 206, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 206, 216);  
box-shadow:4px 4px 4px 4px rgb(153, 206,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 55.8728, 0.2694, 0.3162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 206, 216) }
```

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

```
.background{ background-color: rgb(153,  
206, 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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