

Converting Colors

$Yxy(55.7967, 0.2371, 0.3027)$

Have a look what the booklet for
Yxy(55.7967, 0.2371, 0.3027)
contains.

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Color

Yxy(55.7967, 0.2371, 0.3027)

Conversions

Conversions Part 1

Format	Color
Hex	67D4E8
RGB	103, 212, 232
RGB Percent	40%, 83%, 91%
CMY	0.5961, 0.1686, 0.0901
CMYK	0.56, 0.09, 0.00, 0.09
HSL	189°, 74%, 66%
HSV	189°, 56%, 91%
XYZ	43.7047, 55.7967, 84.8287
YIQ	181.6890, -71.3840, -16.8880

Conversions

Conversions Part 2

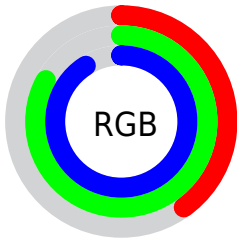
Format	Color
R _{YB}	103, 162, 232
Decimal	6804712
CIE _{Lab}	79.50, -25.71, -19.38
CIE _{LCh}	79, 32.193, 217.011
Yxy	55.7967, 0.2371, 0.3027
Android (android.graphics.Color)	4284994792 (0xFF67D4E8)
YUV	181.6890, 24.8033, -69.0103
Hunter-Lab	74.6972, -26.2813, -15.0437

Details

The Yxy color **55.7967, 0.2371, 0.3027** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.3112, 0.4657, 0.3514**, and the grayscale version is **46.4944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5265, 0.2619, 0.3289**, and **27.5246, 0.2190, 0.2951** is the 20% darker color. If you saturate the color by 10%, you get **52.8315, 0.2279, 0.2972**, and if you desaturate by 10%, it is **59.1868, 0.2481, 0.3081**.

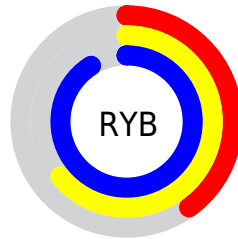
Distribution



Red (40%)

Green (83%)

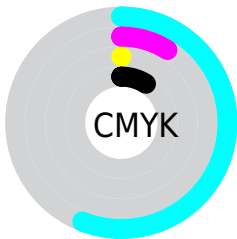
Blue (91%)



Red (40%)

Yellow (64%)

Blue (91%)

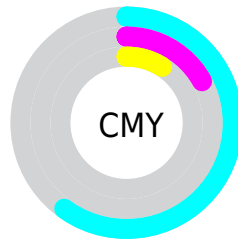


Cyan (56%)

Magenta (9%)

Yellow (0%)

Black (9%)



Cyan (60%)

Magenta (17%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.7967, 0.2371, 0.3027 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 55.7967, 0.2371, 0.3027 by changing the saturation by 10% instead.

■ 55.7967, 0.2371,
0.3027

■ 55.7967, 0.2371,
0.3027

■ 408.9249, 0.2726,
0.3164

■ 40.0399, 0.2289,
0.2992

■ 98.7073, 0.2495,
0.3078

■ 27.5697, 0.2188,
0.2947

■ 126.6299, 0.2543,
0.3096

■ 18.0015, 0.2060,
0.2886

■ 159.3766, 0.2584,
0.3112

■ 10.9511, 0.1893,
0.2802

■ 197.3317, 0.2620,
0.3126

■ 6.0340, 0.1669,
0.2677

■ 240.8797, 0.2652,
0.3137

■ 2.8657, 0.1357,
0.2480

■ 290.4050, 0.2679,

■ 1.0620, 0.0760,

0.3147

0.2171

346.2919, 0.2704,
0.3156

0.0000, 0.0000,
0.0000

55.7967, 0.2371,
0.3027

55.7967, 0.2371,
0.3027

52.8315, 0.2279,
0.2972

59.1868, 0.2481,
0.3081

50.2523, 0.2206,
0.2916

63.0245, 0.2605,
0.3132

48.0233, 0.2153,
0.2860

67.3380, 0.2742,
0.3181

46.0978, 0.2118,
0.2805


72.1513, 0.2888,
0.3226

45.3148, 0.2106,
0.2781

77.4867, 0.3040,
0.3268

 83.3652, 0.3195,
0.3306

 87.7767, 0.3280,
0.3341

 89.8854, 0.3276,
0.3376

 92.0362, 0.3272,
0.3411

Harmonies

Analogous

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



55.7967, 0.2559, 0.3431



55.7967, 0.2371, 0.3027



55.7967, 0.2369, 0.2736

Triad

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



55.7967, 0.2371, 0.3027



55.7967, 0.3318, 0.2834



55.7967, 0.3704, 0.4010

Complementary

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



55.7967, 0.2371, 0.3027



32.3112, 0.4657, 0.3514

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.



55.7967, 0.3939, 0.3787



55.7967, 0.2371, 0.3027



55.7967, 0.3714, 0.3123

Square

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



55.7967, 0.2371, 0.3027



55.7967, 0.2891, 0.2650



55.7967, 0.3947, 0.3463



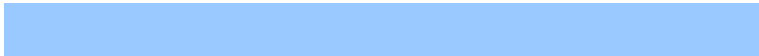
55.7967, 0.3321, 0.4038

Rectangle

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



55.7967, 0.2371, 0.3027



55.7967, 0.2472, 0.2633



55.7967, 0.3947, 0.3463



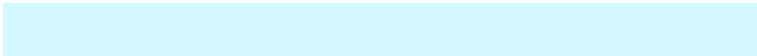
55.7967, 0.3804, 0.3953

Sweetspot

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



55.7988, 0.2371, 0.3027



88.4674, 0.2866, 0.3220



62.0253, 0.2956, 0.4826



18.6710, 0.2836, 0.3211



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.



55.7988, 0.2371, 0.3027



64.8655, 0.2265, 0.2962



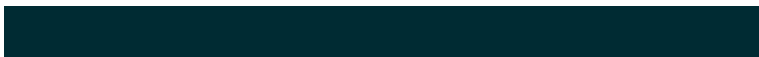
29.9407, 0.2179, 0.2120



15.9353, 0.2981, 0.3253



25.3025, 0.2108, 0.2790



1.9730, 0.2131, 0.2871

Inverse Universe

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



31.6140, 0.3394, 0.2145



33.2523, 0.3465, 0.1970



53.6235, 0.4195, 0.4207



14.5748, 0.3161, 0.3094



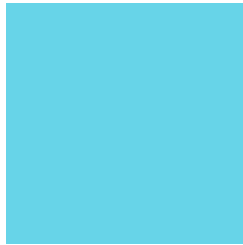
11.7520, 0.3644, 0.1781



0.8788, 0.3570, 0.1740

Previews

White Background



This preview shows how the Yxy color 55.7967, 0.2371, 0.3027 looks on a white background.

Color Contrast Check

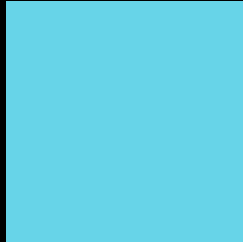
Large Text (above 18pt) WCAG AA × Fail

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 55.7967, 0.2371, 0.3027 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

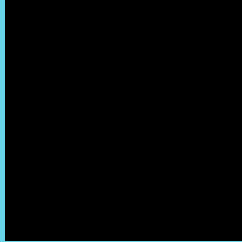
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.7967, 0.2371, 0.3027

Background



This preview shows how black text looks on a background with the Yxy color 55.7967, 0.2371, 0.3027.



This preview shows how white text looks on a background with the Yxy color 55.7967, 0.2371, 0.3027.

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

55.7967, 0.2371, 0.3027

Protanopia

54.9573, 0.2926, 0.2981

Deuteranopia

54.9781, 0.2833, 0.2761



Tritanopia

55.6249, 0.2376, 0.3052

Trichromacy



Original Color

55.7967, 0.2371, 0.3027

Protanomaly

54.6287, 0.2684, 0.3002

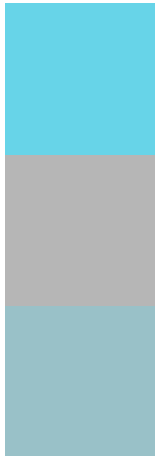
Deuteranomaly

54.5264, 0.2630, 0.2850

Tritanomaly

55.6813, 0.2372, 0.3040

Monochromacy



Original Color

55.7967, 0.2371, 0.3027

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

49.0824, 0.2776, 0.3196

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.7967, 0.2371, 0.3027 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(103, 212, 232)` looks like.

```
.text, #text, p{  
    color:rgb(103, 212, 232)  
}
```

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(103, 212, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 212, 232) }
```

Border

The CSS property to change the border of an element to Yxy 55.7967, 0.2371, 0.3027 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(103, 212, 232) }
```

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

```
.border{ border-color:rgb(103, 212, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 212, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 212, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 212, 232);  
box-shadow:4px 4px 4px 4px rgb(103, 212,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 55.7967, 0.2371, 0.3027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 212, 232) }
```

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

```
.background{ background-color: rgb(103,  
212, 232) }
```

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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