

Converting Colors

$Y_{xy}(55.6204, 0.2266, 0.3061)$

Have a look what the booklet for
Yxy(55.6204, 0.2266, 0.3061)
contains.

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Color

Yxy(55.6204, 0.2266, 0.3061)

Conversions

Conversions Part 1

Format	Color
Hex	43D7E8
RGB	67, 215, 232
RGB Percent	26%, 84%, 91%
CMY	0.7377, 0.1568, 0.0902
CMYK	0.71, 0.07, 0.00, 0.09
HSL	186°, 78%, 59%
HSV	186°, 71%, 91%
XYZ	41.1747, 55.6204, 84.9115
YIQ	172.6860, -93.6650, -26.0890

Conversions

Conversions Part 2

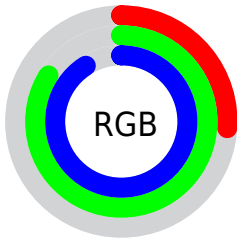
Format	Color
R_{YB}	67, 145, 232
Decimal	4446184
CIE _{Lab}	79.40, -32.87, -19.61
CIE _{LCh}	79, 38.275, 210.825
Yxy	55.6204, 0.2266, 0.3061
Android (android.graphics.Color)	4282636264 (0xFF43D7E8)
YUV	172.6860, 29.2418, -92.6866
Hunter-Lab	74.5791, -31.9645, -15.2989

Details

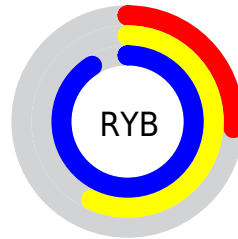
The Yxy color **55.6204, 0.2266, 0.3061** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **23.8825, 0.5407, 0.3448**, and the grayscale version is **41.4907, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0584, 0.2508, 0.3288**, and **28.2762, 0.2168, 0.3004** is the 20% darker color. If you saturate the color by 10%, you get **53.7545, 0.2211, 0.3025**, and if you desaturate by 10%, it is **57.8362, 0.2340, 0.3097**.

Distribution



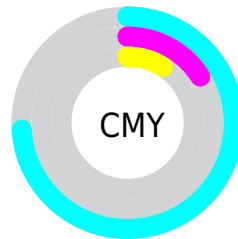
- Red (26%)
- Green (84%)
- Blue (91%)



- Red (26%)
- Yellow (57%)
- Blue (91%)



- Cyan (71%)
- Magenta (7%)
- Yellow (0%)
- Black (9%)



- Cyan (74%)
- Magenta (16%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.6204, 0.2266, 0.3061 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 55.6204, 0.2266, 0.3061 by changing the saturation by 10% instead.

55.6204, 0.2266,
0.3061

55.6204, 0.2266,
0.3061

408.2594, 0.2669,
0.3185

39.8987, 0.2174,
0.3028

98.4493, 0.2406,
0.3108

27.4595, 0.2061,
0.2985

126.3253, 0.2460,
0.3125

17.9186, 0.1918,
0.2927

159.0215, 0.2507,
0.3139

10.8916, 0.1733,
0.2844

196.9223, 0.2548,
0.3151

5.9940, 0.1489,
0.2720

240.4121, 0.2584,
0.3161

2.8414, 0.1156,
0.2518

289.8753, 0.2615,

1.0495, 0.0396,

0.3170

0.2231

345.6962, 0.2644,
0.3178

0.0000, 0.0000,
0.0000

55.6204, 0.2266,
0.3061

55.6204, 0.2266,
0.3061

53.7545, 0.2211,
0.3025

57.8362, 0.2340,
0.3097

52.1902, 0.2175,
0.2989


60.4308, 0.2434,
0.3132


51.0005, 0.2155,
0.2959


63.4369, 0.2544,
0.3167


66.8819, 0.2670,
0.3200

70.7908, 0.2808,
0.3231

 75.1865, 0.2956,
0.3260

 80.0907, 0.3109,
0.3287

 85.5233, 0.3266,
0.3311

 87.3656, 0.3280,
0.3335

Harmonies

Analogous

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



55.6204, 0.2524, 0.3560



55.6204, 0.2266, 0.3061



55.6204, 0.2221, 0.2686

Triad

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



55.6204, 0.2266, 0.3061



55.6204, 0.3243, 0.2699



55.6204, 0.3882, 0.4101

Complementary

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



55.6204, 0.2266, 0.3061



23.8825, 0.5407, 0.3448

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.



55.6204, 0.4118, 0.3793



55.6204, 0.2266, 0.3061



55.6204, 0.3740, 0.3013

Square

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



55.6204, 0.2266, 0.3061



55.6204, 0.2751, 0.2516



55.6204, 0.4070, 0.3400



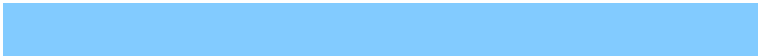
55.6204, 0.3451, 0.4204

Rectangle

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



55.6204, 0.2266, 0.3061



55.6204, 0.2310, 0.2542



55.6204, 0.4070, 0.3400



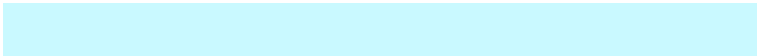
55.6204, 0.3988, 0.4014

Sweetspot

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



55.6225, 0.2266, 0.3061



87.7540, 0.2809, 0.3231



59.5355, 0.2968, 0.5397



18.4823, 0.2770, 0.3223



0.0000, 0.0000, 0.0000



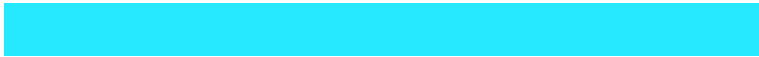
21.4041, 0.3127, 0.3290

Same Dimension

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



55.6225, 0.2266, 0.3061



65.7414, 0.2193, 0.3010



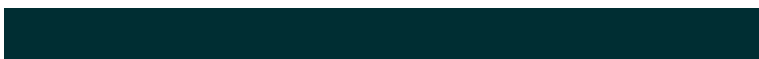
23.7729, 0.1963, 0.1848



16.0695, 0.2982, 0.3265



28.4212, 0.2157, 0.2964



2.1736, 0.2171, 0.3016

Inverse Universe

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



26.0644, 0.3386, 0.1856



28.5280, 0.3441, 0.1734



44.8174, 0.4601, 0.4303



14.5883, 0.3154, 0.3082



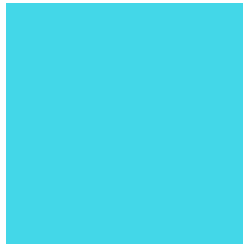
12.0669, 0.3486, 0.1694



0.8991, 0.3440, 0.1669

Previews

White Background



This preview shows how the Yxy color 55.6204, 0.2266, 0.3061 looks on a white background.

Color Contrast Check

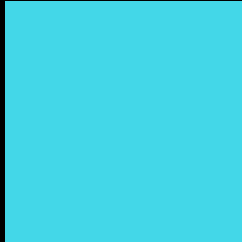
Large Text (above 18pt) WCAG AA × Fail

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 55.6204, 0.2266, 0.3061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

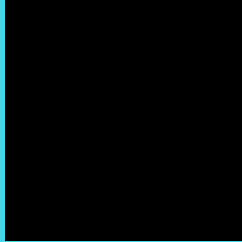
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.6204, 0.2266, 0.3061

Background



This preview shows how black text looks on a background with the Yxy color 55.6204, 0.2266, 0.3061.



This preview shows how white text looks on a background with the Yxy color 55.6204, 0.2266, 0.3061.

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

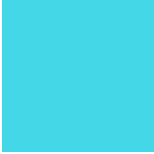
55.6204, 0.2266, 0.3061

Protanopia

54.8520, 0.2940, 0.3004

Deuteranopia

54.7135, 0.2819, 0.2758



Tritanopia

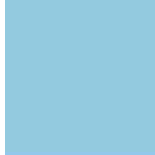
55.6204, 0.2266, 0.3061

Trichromacy



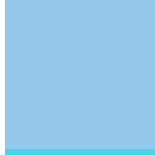
Original Color

55.6204, 0.2266, 0.3061



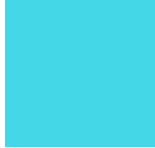
Protanomaly

53.7718, 0.2611, 0.3021



Deuteranomaly

53.5098, 0.2542, 0.2852



Tritanomaly

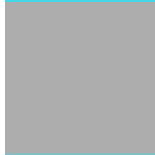
55.6204, 0.2266, 0.3061

Monochromacy



Original Color

55.6204, 0.2266, 0.3061



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

44.9298, 0.2678, 0.3204

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.6204, 0.2266, 0.3061 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(67, 215, 232)` looks like.

```
.text, #text, p{  
    color:rgb(67, 215, 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(67, 215, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 215, 232) }
```

Border

The CSS property to change the border of an element to Yxy 55.6204, 0.2266, 0.3061 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(67, 215, 232) }
```

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

```
.border{ border-color:rgb(67, 215, 232) }
```

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

Here you see how a box with a 4 pixel rgb(67, 215, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 215, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 215, 232);  
box-shadow:4px 4px 4px 4px rgb(67, 215,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 55.6204, 0.2266, 0.3061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 215, 232) }
```

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

```
.background{ background-color: rgb(67, 215,  
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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