

Converting Colors

$Yxy(55.6264, 0.2490, 0.3138)$

Have a look what the booklet for
Yxy(55.6264, 0.2490, 0.3138)
contains.

Yxy(55.3602, 0.2487, 0.3131)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(55.3602, 0.2487, 0.3131)

Conversions

Conversions Part 1

Format	Color
Hex	78D2DE
RGB	120, 210, 222
RGB Percent	47%, 82%, 87%
CMY	0.5296, 0.1764, 0.1294
CMYK	0.46, 0.05, 0.00, 0.13
HSL	187°, 61%, 67%
HSV	187°, 46%, 87%
XYZ	43.9734, 55.3602, 77.4795
YIQ	184.4580, -57.4920, -15.3480

Conversions

Conversions Part 2

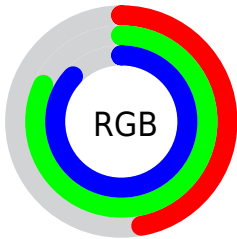
Format	Color
R _{YB}	120, 168, 222
Decimal	7918302
CIE Lab	79.25, -23.84, -14.33
CIE LCh	79, 27.818, 211.015
Yxy	55.3602, 0.2487, 0.3131
Android (android.graphics.Color)	4286108382 (0xFF78D2DE)
YUV	184.4580, 18.5082, -56.5297
Hunter-Lab	74.4044, -24.7133, -9.6573

Details

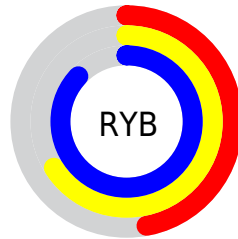
The Yxy color **55.3602, 0.2487, 0.3131** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.3778, 0.4299, 0.3436**, and the grayscale version is **48.1151, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2050, 0.2691, 0.3289**, and **27.2248, 0.2328, 0.3074** is the 20% darker color. If you saturate the color by 10%, you get **52.6768, 0.2383, 0.3091**, and if you desaturate by 10%, it is **58.4368, 0.2607, 0.3170**.

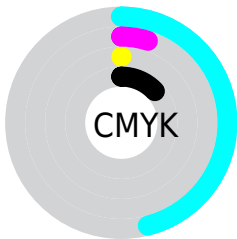
Distribution



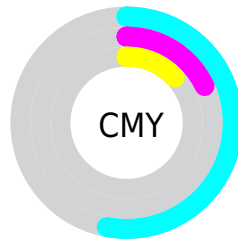
- Red (47%)
- Green (82%)
- Blue (87%)



- Red (47%)
- Yellow (66%)
- Blue (87%)



- Cyan (46%)
- Magenta (5%)
- Yellow (0%)
- Black (13%)





- Cyan (53%)
- Magenta (18%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.3602, 0.2487, 0.3131 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 55.3602, 0.2487, 0.3131 by changing the saturation by 10% instead.


 55.3602, 0.2487,
0.3131

 55.3602, 0.2487,
0.3131


407.2759, 0.2791,
0.3215

 39.6902, 0.2416,
0.3109


 98.0685, 0.2594,
0.3163

 27.2971, 0.2328,
0.3080


 125.8756, 0.2635,
0.3174

 17.7965, 0.2215,
0.3040


 158.4971, 0.2670,
0.3184

 10.8040, 0.2067,
0.2984

196.3176, 0.2700,
0.3192

 5.9352, 0.1864,
0.2900

239.7213, 0.2727,
0.3199

 2.8057, 0.1571,
0.2759

289.0926, 0.2751,

 1.0312, 0.0964,

0.3205

0.2540

344.8160, 0.2772,
0.3211

0.0000, 0.0000,
0.0000

55.3602, 0.2487,
0.3131

55.3602, 0.2487,
0.3131

52.6768, 0.2383,
0.3091

58.4368, 0.2607,
0.3170

50.3543, 0.2296,
0.3050

61.9236, 0.2741,
0.3206

48.3656, 0.2229,
0.3009


65.8442, 0.2884,
0.3241


46.6766, 0.2181,
0.2967

70.2186, 0.3035,
0.3272

45.2452, 0.2151,
0.2927

75.0655, 0.3190,
0.3301

 44.7108, 0.2142,
0.2910

 80.4024, 0.3346,
0.3327

 82.1762, 0.3356,
0.3353

 83.6257, 0.3353,
0.3379

 85.0970, 0.3349,
0.3405

Harmonies

Analogous

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



55.3602, 0.2684, 0.3486



55.3602, 0.2487, 0.3131



55.3602, 0.2451, 0.2851

Triad

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



55.3602, 0.2487, 0.3131



55.3602, 0.3219, 0.2850



55.3602, 0.3684, 0.3889

Complementary

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



55.3602, 0.2487, 0.3131



33.3778, 0.4299, 0.3436

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.



55.3602, 0.3850, 0.3676



55.3602, 0.2487, 0.3131



55.3602, 0.3575, 0.3090

Square

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



55.3602, 0.2487, 0.3131



55.3602, 0.2856, 0.2711



55.3602, 0.3812, 0.3386



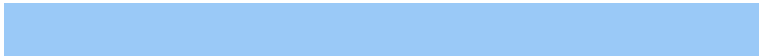
55.3602, 0.3371, 0.3946

Rectangle

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



55.3602, 0.2487, 0.3131



55.3602, 0.2520, 0.2738



55.3602, 0.3812, 0.3386



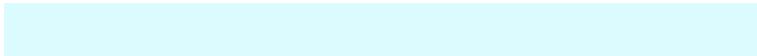
55.3602, 0.3759, 0.3832

Sweetspot

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



55.3623, 0.2487, 0.3131



91.1976, 0.2912, 0.3247



57.8992, 0.2997, 0.4564



19.2538, 0.2880, 0.3240



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.



55.3623, 0.2487, 0.3131



72.2940, 0.2388, 0.3093



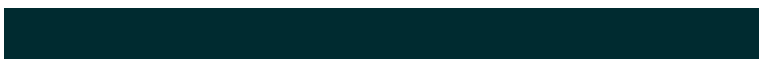
34.0883, 0.2358, 0.2411



15.2827, 0.2982, 0.3262



26.6625, 0.2144, 0.2916



1.9270, 0.2161, 0.2979

Inverse Universe

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



33.6082, 0.3298, 0.2286



39.6676, 0.3341, 0.2108



50.7076, 0.4001, 0.4024



13.9064, 0.3156, 0.3086



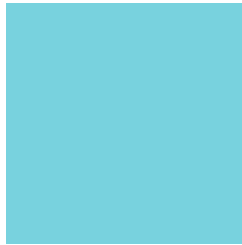
11.5996, 0.3529, 0.1717



0.8120, 0.3473, 0.1687

Previews

White Background



This preview shows how the Yxy color 55.3602, 0.2487, 0.3131 looks on a white background.

Color Contrast Check

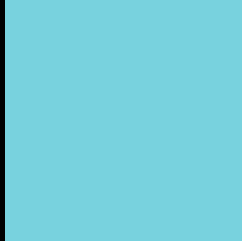
Large Text (above 18pt) WCAG AA × Fail

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 55.3602, 0.2487, 0.3131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

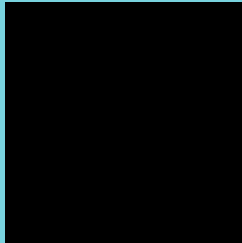
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.3602, 0.2487, 0.3131

Background



This preview shows how black text looks on a background with the Yxy color 55.3602, 0.2487, 0.3131.

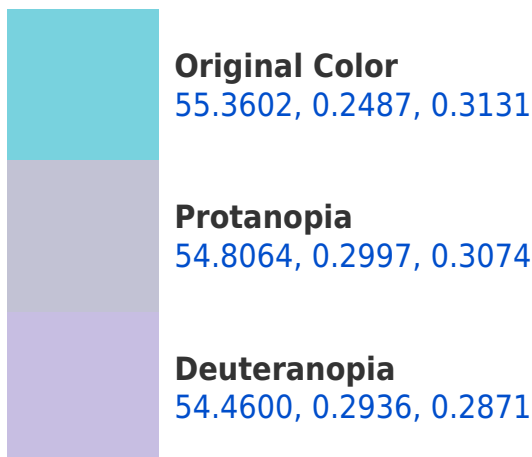


This preview shows how white text looks on a background with the Yxy color 55.3602, 0.2487, 0.3131.

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





Tritanopia

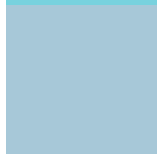
55.1569, 0.2470, 0.3067

Trichromacy



Original Color

55.3602, 0.2487, 0.3131



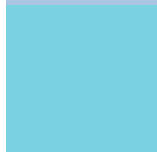
Protanomaly

54.4819, 0.2777, 0.3089



Deuteranomaly

53.9148, 0.2739, 0.2945



Tritanomaly

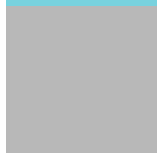
55.1021, 0.2475, 0.3080

Monochromacy



Original Color

55.3602, 0.2487, 0.3131



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

49.7942, 0.2846, 0.3223

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.3602, 0.2487, 0.3131 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(120, 210, 222)` looks like.

```
.text, #text, p{  
    color:rgb(120, 210, 222)  
}
```

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(120, 210, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 210, 222) }
```

Border

The CSS property to change the border of an element to Yxy 55.3602, 0.2487, 0.3131 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(120, 210, 222) }
```

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

```
.border{ border-color:rgb(120, 210, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 210, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 210, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 210, 222);  
box-shadow:4px 4px 4px 4px rgb(120, 210,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 55.3602, 0.2487, 0.3131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 210, 222) }
```

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

```
.background{ background-color: rgb(120,  
210, 222) }
```

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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