

Converting Colors

$Yxy(55.2109, 0.2452, 0.3462)$

Have a look what the booklet for
Yxy(55.2109, 0.2452, 0.3462)
contains.

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Color

Yxy(55.4020, 0.2453, 0.3469)

Conversions

Conversions Part 1

Format	Color
Hex	56D8CB
RGB	86, 216, 203
RGB Percent	34%, 85%, 80%
CMY	0.6626, 0.1529, 0.2039
CMYK	0.60, 0.00, 0.06, 0.15
HSL	174°, 62%, 59%
HSV	174°, 60%, 85%
XYZ	39.1759, 55.4020, 65.1281
YIQ	175.6480, -73.3070, -31.6030

Conversions

Conversions Part 2

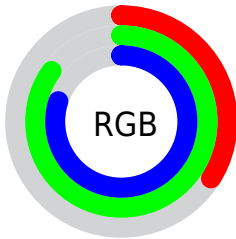
Format	Color
RYB	86, 154, 216
Decimal	5691595
CIELab	79.27, -38.55, -4.25
CIElCh	79, 38.787, 186.291
Yxy	55.4020, 0.2453, 0.3469
Android (android.graphics.Color)	4283881675 (0xFF56D8CB)
YUV	175.6480, 13.4845, -78.6213
Hunter-Lab	74.4325, -36.3075, 0.2243

Details

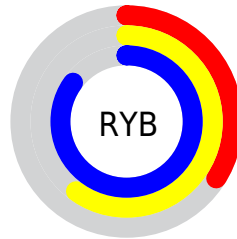
The Yxy color **55.4020, 0.2453, 0.3469** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **22.1638, 0.4818, 0.3149**, and the grayscale version is **43.1877, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0359, 0.2553, 0.3288**, and **27.6597, 0.2310, 0.3517** is the 20% darker color. If you saturate the color by 10%, you get **54.4262, 0.2396, 0.3503**, and if you desaturate by 10%, it is **56.6933, 0.2529, 0.3435**.

Distribution



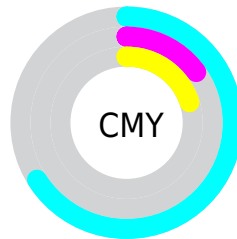
- Red (34%)
- Green (85%)
- Blue (80%)



- Red (34%)
- Yellow (60%)
- Blue (85%)



- Cyan (60%)
- Magenta (0%)
- Yellow (6%)
- Black (15%)





- Cyan (66%)
- Magenta (15%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.4020, 0.2453, 0.3469 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 55.4020, 0.2453, 0.3469 by changing the saturation by 10% instead.


 55.4020, 0.2453,
0.3469

 55.4020, 0.2453,
0.3469


407.4340, 0.2775,
0.3387


 39.7237, 0.2377,
0.3487


 98.1297, 0.2567,
0.3441

 27.3232, 0.2282,
0.3509


 125.9479, 0.2610,
0.3430

 17.8161, 0.2160,
0.3536


 158.5814, 0.2648,
0.3420

 10.8180, 0.1998,
0.3570

 196.4148, 0.2680,
0.3412

 5.9446, 0.1774,
0.3613

239.8323, 0.2709,
0.3405

 2.8114, 0.1449,
0.3665

289.2184, 0.2733,

 1.0341, 0.0135,

0.3398

0.4044

344.9575, 0.2756,
0.3392

0.0000, 0.0000,
0.0000

55.4020, 0.2453,
0.3469

55.4020, 0.2453,
0.3469

54.4262, 0.2396,
0.3503

56.6933, 0.2529,
0.3435

53.7306, 0.2358,
0.3538

58.3189, 0.2623,
0.3403


53.2829, 0.2339,
0.3572

60.3037, 0.2732,
0.3372


53.0244, 0.2335,
0.3606


62.6685, 0.2854,
0.3342

65.4323, 0.2986,
0.3315

 68.6129, 0.3125,
0.3290

 72.2273, 0.3268,
0.3268

 75.5541, 0.3385,
0.3248

 75.6695, 0.3370,
0.3226

Harmonies

Analogous

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



55.4020, 0.2862, 0.3950



55.4020, 0.2453, 0.3469



55.4020, 0.2230, 0.2975

Triad

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



55.4020, 0.2453, 0.3469



55.4020, 0.2829, 0.2528



55.4020, 0.4108, 0.3865

Complementary

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



55.4020, 0.2453, 0.3469



22.1638, 0.4818, 0.3149

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.



55.4020, 0.4116, 0.3475



55.4020, 0.2453, 0.3469



55.4020, 0.3341, 0.2741

Square

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



55.4020, 0.2453, 0.3469



55.4020, 0.2433, 0.2482



55.4020, 0.3827, 0.3076



55.4020, 0.3824, 0.4151

Rectangle

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



55.4020, 0.2453, 0.3469



55.4020, 0.2201, 0.2722



55.4020, 0.3827, 0.3076



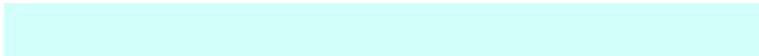
55.4020, 0.4145, 0.3741

Sweetspot

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



55.4041, 0.2453, 0.3469



92.0177, 0.2879, 0.3337



52.5630, 0.3117, 0.5179



19.4592, 0.2842, 0.3345



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.



55.4041, 0.2453, 0.3469



78.9678, 0.2385, 0.3512



34.2782, 0.2229, 0.2554



14.0855, 0.2996, 0.3313



31.3943, 0.2334, 0.3600



1.8999, 0.2317, 0.3541

Inverse Universe

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



22.1638, 0.4818, 0.3149



26.5517, 0.5383, 0.3151



32.8412, 0.4577, 0.3876



12.4408, 0.3276, 0.3267



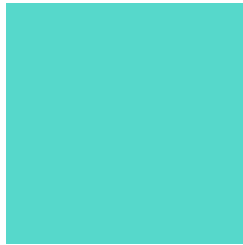
8.6818, 0.6277, 0.3231



0.5307, 0.5954, 0.3054

Previews

White Background



This preview shows how the Yxy color 55.4020, 0.2453, 0.3469 looks on a white background.

Color Contrast Check

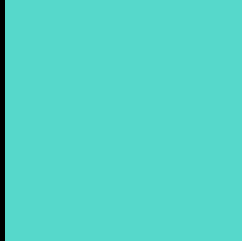
Large Text (above 18pt) WCAG AA × Fail

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 55.4020, 0.2453, 0.3469 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

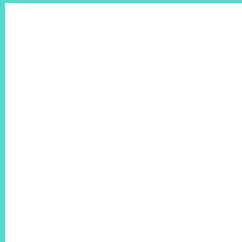
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.4020, 0.2453, 0.3469

Background



This preview shows how black text looks on a background with the Yxy color 55.4020, 0.2453, 0.3469.

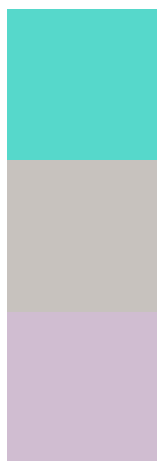


This preview shows how white text looks on a background with the Yxy color 55.4020, 0.2453, 0.3469.

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

55.4020, 0.2453, 0.3469

Protanopia

54.4434, 0.3198, 0.3339

Deuteranopia

54.4085, 0.3130, 0.3056



Tritanopia

55.2855, 0.2362, 0.3064

Trichromacy



Original Color

55.4020, 0.2453, 0.3469



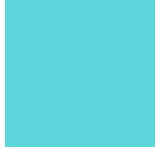
Protanomaly

53.4503, 0.2851, 0.3381



Deuteranomaly

53.2444, 0.2813, 0.3187



Tritanomaly

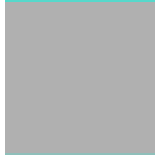
55.0830, 0.2390, 0.3194

Monochromacy



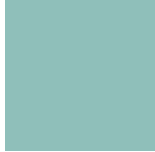
Original Color

55.4020, 0.2453, 0.3469



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

46.6464, 0.2795, 0.3359

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.4020, 0.2453, 0.3469 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(86, 216, 203)` looks like.

```
.text, #text, p{  
    color:rgb(86, 216, 203)  
}
```

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(86, 216, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 216, 203) }
```

Border

The CSS property to change the border of an element to Yxy 55.4020, 0.2453, 0.3469 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(86, 216, 203) }
```

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

```
.border{ border-color:rgb(86, 216, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 216, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 216, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 216, 203);  
box-shadow:4px 4px 4px 4px rgb(86, 216,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 55.4020, 0.2453, 0.3469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 216, 203) }
```

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

```
.background{ background-color: rgb(86, 216,  
203) }
```

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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