

Converting Colors

$Yxy(56.4346, 0.2339, 0.3139)$

Have a look what the booklet for
Yxy(56.4346, 0.2339, 0.3139)
contains.

Yxy(56.5891, 0.2341, 0.3142)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(56.5891, 0.2341, 0.3142)

Conversions

Conversions Part 1

Format	Color
Hex	55D8E3
RGB	85, 216, 227
RGB Percent	33%, 85%, 89%
CMY	0.6667, 0.1529, 0.1099
CMYK	0.63, 0.05, 0.00, 0.11
HSL	185°, 72%, 61%
HSV	185°, 63%, 89%
XYZ	42.1627, 56.5891, 81.3536
YIQ	178.0850, -81.6070, -24.3510

Conversions

Conversions Part 2

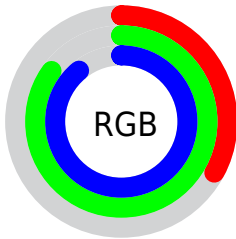
Format	Color
R_{YB}	85, 153, 227
Decimal	5626083
CIE _{Lab}	79.95, -32.24, -16.06
CIE _{LCh}	80, 36.016, 206.473
Yxy	56.5891, 0.2341, 0.3142
Android (android.graphics.Color)	4283816163 (0xFF55D8E3)
YUV	178.0850, 24.1151, -81.6355
Hunter-Lab	75.2257, -31.5990, -11.4617

Details

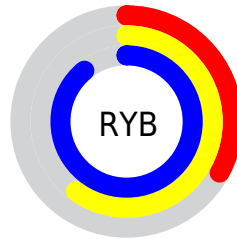
The Yxy color **56.5891, 0.2341, 0.3142** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **25.3387, 0.5043, 0.3409**, and the grayscale version is **44.4686, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1296, 0.2557, 0.3288**, and **28.4683, 0.2192, 0.3090** is the 20% darker color. If you saturate the color by 10%, you get **54.8007, 0.2273, 0.3115**, and if you desaturate by 10%, it is **58.7319, 0.2429, 0.3168**.

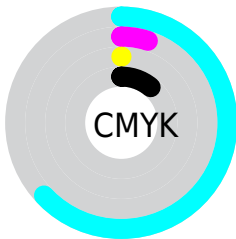
Distribution



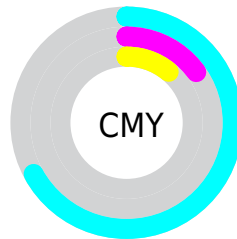
- Red (33%)
- Green (85%)
- Blue (89%)



- Red (33%)
- Yellow (60%)
- Blue (89%)



- Cyan (63%)
- Magenta (5%)
- Yellow (0%)
- Black (11%)





- Cyan (67%)
- Magenta (15%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.5891, 0.2341, 0.3142 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 56.5891, 0.2341, 0.3142 by changing the saturation by 10% instead.

 56.5891, 0.2341,
0.3142


 56.5891, 0.2341,
0.3142


411.9078, 0.2710,
0.3225


 40.6754, 0.2256,
0.3119


 99.8654, 0.2470,
0.3174


 28.0656, 0.2151,
0.3089


 127.9968, 0.2519,
0.3185

 18.3751, 0.2019,
0.3048


 160.9696, 0.2562,
0.3195

 11.2196, 0.1847,
0.2989

 199.1681, 0.2599,
0.3203

 6.2148, 0.1616,
0.2897

242.9768, 0.2632,
0.3209

 2.9761, 0.1295,
0.2743

292.7801, 0.2661,

 1.1193, 0.0585,

0.3215

0.2523

348.9623, 0.2687,
0.3220

0.0000, 0.0000,
0.0000

56.5891, 0.2341,
0.3142

56.5891, 0.2341,
0.3142

54.8007, 0.2273,
0.3115

58.7319, 0.2429,
0.3168

53.3263, 0.2224,
0.3089

61.2522, 0.2534,
0.3194

52.1272, 0.2193,
0.3063


64.1783, 0.2655,
0.3219


51.3645, 0.2179,
0.3044


67.5342, 0.2790,
0.3243

71.3420, 0.2935,
0.3265

 75.6221, 0.3087,
0.3285

 80.3937, 0.3244,
0.3304

 83.4155, 0.3321,
0.3321

 84.3962, 0.3319,
0.3338

Harmonies

Analogous

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



56.5891, 0.2613, 0.3611



56.5891, 0.2341, 0.3142



56.5891, 0.2267, 0.2766

Triad

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



56.5891, 0.2341, 0.3142



56.5891, 0.3167, 0.2700



56.5891, 0.3882, 0.4019

Complementary

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



56.5891, 0.2341, 0.3142



25.3387, 0.5043, 0.3409

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.



56.5891, 0.4066, 0.3716



56.5891, 0.2341, 0.3142



56.5891, 0.3639, 0.2982

Square

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



56.5891, 0.2341, 0.3142



56.5891, 0.2716, 0.2549



56.5891, 0.3979, 0.3342



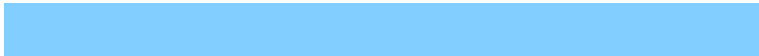
56.5891, 0.3499, 0.4145

Rectangle

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



56.5891, 0.2341, 0.3142



56.5891, 0.2333, 0.2611



56.5891, 0.3979, 0.3342



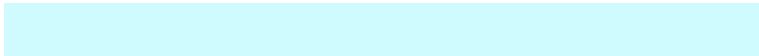
56.5891, 0.3970, 0.3932

Sweetspot

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



56.5912, 0.2341, 0.3142



89.5766, 0.2839, 0.3250



57.6706, 0.2995, 0.5196



18.8787, 0.2798, 0.3244



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.



56.5912, 0.2341, 0.3142



70.7577, 0.2256, 0.3108



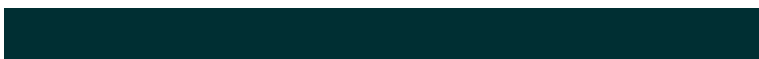
28.1914, 0.2106, 0.2123



16.1358, 0.2982, 0.3271



30.0421, 0.2180, 0.3047



2.2770, 0.2190, 0.3085

Inverse Universe

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



27.7794, 0.3310, 0.1944



31.2036, 0.3350, 0.1777



44.0533, 0.4439, 0.4175



14.5950, 0.3150, 0.3076



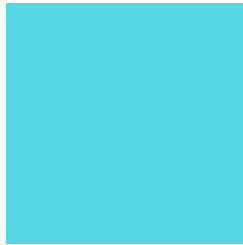
12.2305, 0.3413, 0.1654



0.9095, 0.3380, 0.1635

Previews

White Background



This preview shows how the Yxy color 56.5891, 0.2341, 0.3142 looks on a white background.

Color Contrast Check

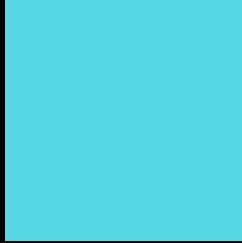
Large Text (above 18pt) WCAG AA × Fail

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 56.5891, 0.2341, 0.3142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

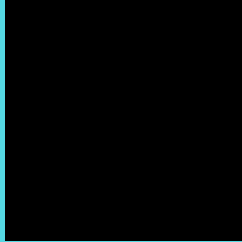
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.5891, 0.2341, 0.3142

Background



This preview shows how black text looks on a background with the Yxy color 56.5891, 0.2341, 0.3142.

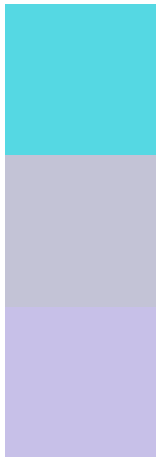


This preview shows how white text looks on a background with the Yxy color 56.5891, 0.2341, 0.3142.

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

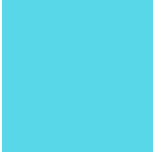
56.5891, 0.2341, 0.3142

Protanopia

55.4874, 0.2990, 0.3064

Deuteranopia

55.6676, 0.2896, 0.2830



Tritanopia

56.5588, 0.2322, 0.3052

Trichromacy



Original Color

56.5891, 0.2341, 0.3142



Protanomaly

54.7949, 0.2684, 0.3086



Deuteranomaly

54.7556, 0.2637, 0.2930



Tritanomaly

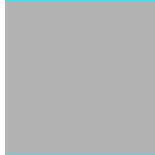
56.3966, 0.2327, 0.3077

Monochromacy



Original Color

56.5891, 0.2341, 0.3142



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

47.6141, 0.2738, 0.3234

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.5891, 0.2341, 0.3142 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(85, 216, 227)` looks like.

```
.text, #text, p{  
    color:rgb(85, 216, 227)  
}
```

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(85, 216, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 216, 227) }
```

Border

The CSS property to change the border of an element to Yxy 56.5891, 0.2341, 0.3142 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(85, 216, 227) }
```

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

```
.border{ border-color:rgb(85, 216, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 216, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 216, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 216, 227);  
box-shadow:4px 4px 4px 4px rgb(85, 216,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 56.5891, 0.2341, 0.3142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 216, 227) }
```

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

```
.background{ background-color: rgb(85, 216,  
227) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor