

Converting Colors

$Y_{xy}(40.8138, 0.2152, 0.2777)$

Have a look what the booklet for
Yxy(40.8138, 0.2152, 0.2777)
contains.

Yxy(40.8962, 0.2153, 0.2778)	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(40.8962, 0.2153, 0.2778)

Conversions

Conversions Part 1

Format	Color
Hex	2DBADD
RGB	45, 186, 221
RGB Percent	18%, 73%, 87%
CMY	0.8230, 0.2706, 0.1334
CMYK	0.80, 0.16, 0.00, 0.13
HSL	192°, 72%, 52%
HSV	192°, 80%, 87%
XYZ	31.6953, 40.8962, 74.6231
YIQ	147.8310, -95.2710, -19.0070

Conversions

Conversions Part 2

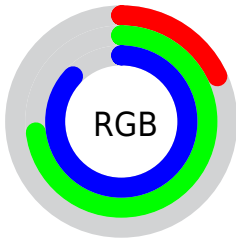
Format	Color
R_{YB}	45, 123, 221
Decimal	2996957
CIE _{Lab}	70.10, -24.41, -27.88
CIE _{LCh}	70, 37.053, 228.801
Yxy	40.8962, 0.2153, 0.2778
Android (android.graphics.Color)	4281187037 (0xFF2DBADD)
YUV	147.8310, 36.0723, -90.1828
Hunter-Lab	63.9501, -23.4437, -24.4201

Details

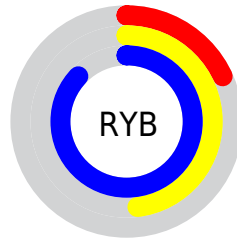
The Yxy color **40.8962, 0.2153, 0.2778** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **21.3183, 0.5589, 0.3592**, and the grayscale version is **29.4340, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.7173, 0.2415, 0.3136**, and **19.5282, 0.2068, 0.2645** is the 20% darker color. If you saturate the color by 10%, you get **38.6947, 0.2101, 0.2705**, and if you desaturate by 10%, it is **43.4199, 0.2225, 0.2851**.

Distribution



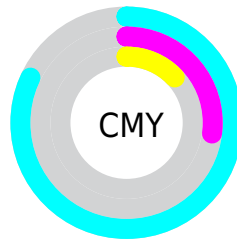
- Red (18%)
- Green (73%)
- Blue (87%)



- Red (18%)
- Yellow (48%)
- Blue (87%)



- Cyan (80%)
- Magenta (16%)
- Yellow (0%)
- Black (13%)



- Cyan (82%)
- Magenta (27%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.8962, 0.2153, 0.2778 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 40.8962, 0.2153, 0.2778 by changing the saturation by 10% instead.

40.8962, 0.2153,
0.2778

40.8962, 0.2153,
0.2778

349.8866, 0.2628,
0.3050

28.2380, 0.2040,
0.2707

76.5263, 0.2322,
0.2880

18.5051, 0.1899,
0.2614

100.2670, 0.2386,
0.2917

11.3133, 0.1719,
0.2488

128.4706, 0.2441,
0.2948

6.2779, 0.1483,
0.2312

161.5215, 0.2489,
0.2975

3.0148, 0.1169,
0.2051

199.8042, 0.2531,
0.2998

1.1395, 0.0680,
0.1657

243.7030, 0.2567,

0.0114, 0.0000,

0.3017

0.0048

293.6024, 0.2599,
0.3035

■ 0.0000, 0.0000,
0.0000

■ 40.8962, 0.2153,
0.2778

■ 40.8962, 0.2153,
0.2778

■ 38.6947, 0.2101,
0.2705

■ 43.4199, 0.2225,
0.2851

■ 36.7501, 0.2065,
0.2633

■ 46.2979, 0.2315,
0.2923

■ 36.6699, 0.2064,
0.2630

■ 49.5624, 0.2424,
0.2994

■ 53.2404, 0.2548,
0.3062

■ 57.3564, 0.2684,
0.3126

■ 61.9325, 0.2829,
0.3186

■ 66.9894, 0.2980,
0.3242

■ 72.5464, 0.3134,
0.3292

■ 78.6215, 0.3288,
0.3338

Harmonies

Analogous

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



40.8962, 0.2292, 0.3248



40.8962, 0.2153, 0.2778



40.8962, 0.2242, 0.2502

Triad

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



40.8962, 0.2153, 0.2778



40.8962, 0.3581, 0.2847



40.8962, 0.3672, 0.4261

Complementary

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



40.8962, 0.2153, 0.2778



21.3183, 0.5589, 0.3592

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.



40.8962, 0.4067, 0.4039



40.8962, 0.2153, 0.2778



40.8962, 0.4029, 0.3233

Square

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



40.8962, 0.2153, 0.2778



40.8962, 0.3029, 0.2564



40.8962, 0.4208, 0.3658



40.8962, 0.3150, 0.4189

Rectangle

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



40.8962, 0.2153, 0.2778



40.8962, 0.2424, 0.2436



40.8962, 0.4208, 0.3658



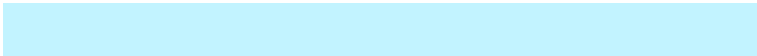
40.8962, 0.3824, 0.4214

Sweetspot

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



40.8977, 0.2153, 0.2778



82.6571, 0.2761, 0.3159



52.8106, 0.2920, 0.5450



17.2126, 0.2709, 0.3137



0.0000, 0.0000, 0.0000



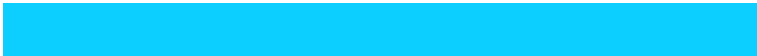
21.4041, 0.3127, 0.3290

Same Dimension

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



40.8977, 0.2153, 0.2778



51.8288, 0.2078, 0.2661



15.0547, 0.1803, 0.1446



14.3664, 0.2982, 0.3242



21.4671, 0.2067, 0.2642



1.5051, 0.2100, 0.2759

Inverse Universe

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



20.8033, 0.3642, 0.1912



26.0363, 0.3764, 0.1862



42.5818, 0.4621, 0.4492



13.2281, 0.3168, 0.3105



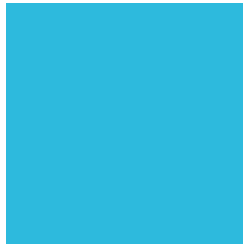
10.7909, 0.3784, 0.1858



0.7106, 0.3673, 0.1797

Previews

White Background



This preview shows how the Yxy color 40.8962, 0.2153, 0.2778 looks on a white background.

Color Contrast Check

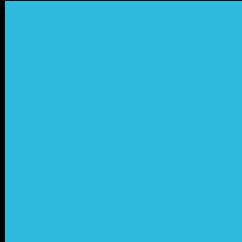
Large Text (above 18pt) WCAG AA × Fail

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 40.8962, 0.2153, 0.2778 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 40.8962, 0.2153, 0.2778

Background



This preview shows how black text looks on a background with the Yxy color 40.8962, 0.2153, 0.2778.



This preview shows how white text looks on a background with the Yxy color 40.8962, 0.2153, 0.2778.

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

40.8962, 0.2153, 0.2778

Protanopia

40.1364, 0.2754, 0.2758

Deuteranopia

40.1416, 0.2601, 0.2539



Tritanopia

40.9370, 0.2200, 0.3058

Trichromacy



Original Color

40.8962, 0.2153, 0.2778

Protanomaly

39.3860, 0.2443, 0.2753

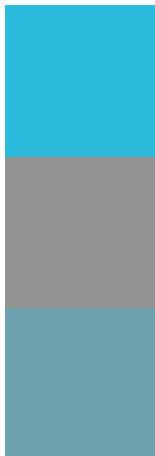
Deuteranomaly

39.3669, 0.2364, 0.2600

Tritanomaly

40.9109, 0.2181, 0.2957

Monochromacy



Original Color

40.8962, 0.2153, 0.2778

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

32.3153, 0.2595, 0.3081

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8962, 0.2153, 0.2778 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(45, 186, 221)` looks like.

```
.text, #text, p{  
    color:rgb(45, 186, 221)  
}
```

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(45, 186, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 186, 221) }
```

Border

The CSS property to change the border of an element to Yxy 40.8962, 0.2153, 0.2778 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(45, 186, 221) }
```

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

```
.border{ border-color:rgb(45, 186, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 186, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 186, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 186, 221);  
box-shadow:4px 4px 4px 4px rgb(45, 186,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8962, 0.2153, 0.2778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 186, 221) }
```

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

```
.background{ background-color: rgb(45, 186,  
221) }
```

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