

Converting Colors

$Y_{xy}(41.9559, 0.2334, 0.3246)$

Have a look what the booklet for
Yxy(41.9559, 0.2334, 0.3246)
contains.

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Color

Yxy(42.1360, 0.2338, 0.3257)

Conversions

Conversions Part 1

Format	Color
Hex	3EBFC1
RGB	62, 191, 193
RGB Percent	24%, 75%, 76%
CMY	0.7565, 0.2510, 0.2432
CMYK	0.68, 0.01, 0.00, 0.24
HSL	181°, 51%, 50%
HSV	181°, 68%, 76%
XYZ	30.2468, 42.1360, 56.9877
YIQ	152.6570, -77.5260, -26.7260

Conversions

Conversions Part 2

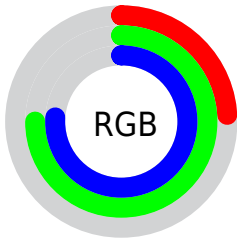
Format	Color
R _{YB}	62, 127, 193
Decimal	4112321
CIE Lab	70.96, -33.48, -11.24
CIE LCh	71, 35.319, 198.554
Yxy	42.1360, 0.2338, 0.3257
Android (android.graphics.Color)	4282302401 (0xFF3EBFC1)
YUV	152.6570, 19.8891, -79.5062
Hunter-Lab	64.9122, -30.4217, -6.6133

Details

The Yxy color **42.1360, 0.2338, 0.3257** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted azure. A complement of this color would be **15.3638, 0.5335, 0.3318**, and the grayscale version is **31.6480, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4864, 0.2480, 0.3276**, and **19.7848, 0.2229, 0.3224** is the 20% darker color. If you saturate the color by 10%, you get **41.4911, 0.2287, 0.3252**, and if you desaturate by 10%, it is **43.0059, 0.2408, 0.3262**.

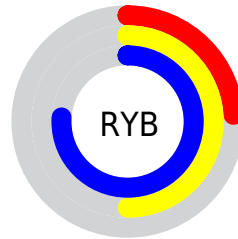
Distribution



Red (24%)

Green (75%)

Blue (76%)



Red (24%)

Yellow (50%)

Blue (76%)

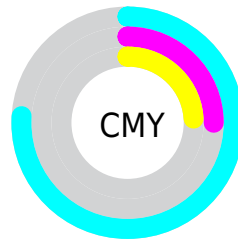


Cyan (68%)

Magenta (1%)

Yellow (0%)

Black (24%)



Cyan (76%)


Magenta (25%)


Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.1360, 0.2338, 0.3257 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 42.1360, 0.2338, 0.3257 by changing the saturation by 10% instead.


 42.1360, 0.2338,
0.3257


 42.1360, 0.2338,
0.3257


355.0464, 0.2729,
0.3285


 29.2078, 0.2242,
0.3246


 78.4054, 0.2479,
0.3270


 19.2381, 0.2121,
0.3231

 102.5154, 0.2532,
0.3274


 11.8424, 0.1963,
0.3206

 131.1215, 0.2577,
0.3277

 6.6365, 0.1748,
0.3164

 164.6080, 0.2616,
0.3279

 3.2358, 0.1445,
0.3086

 203.3593, 0.2650,
0.3281

 1.2561, 0.0799,
0.2983

247.7599, 0.2679,

 0.1068, 0.0000,

0.3283

0.1059

298.1941, 0.2705,
0.3284

■ 0.0000, 0.0000,
0.0000

■ 42.1360, 0.2338,
0.3257

■ 42.1360, 0.2338,
0.3257

■ 41.4911, 0.2287,
0.3252

■ 43.0059, 0.2408,
0.3262

■ 41.0417, 0.2254,
0.3247

■ 44.1172, 0.2497,
0.3267

■ 40.7528, 0.2237,
0.3242

■ 45.4900, 0.2604,
0.3273

■ 40.6979, 0.2234,
0.3241

■ 47.1412, 0.2726,
0.3277

■ 49.0861, 0.2862,
0.3282

■ 51.3391, 0.3008,
0.3287

■ 53.9134, 0.3161,
0.3291

■ 56.8217, 0.3319,
0.3295

■ 60.0758, 0.3479,
0.3298

Harmonies

Analogous

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



42.1360, 0.2678, 0.3768



42.1360, 0.2338, 0.3257



42.1360, 0.2203, 0.2811

Triad

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



42.1360, 0.2338, 0.3257



42.1360, 0.3031, 0.2599



42.1360, 0.4019, 0.4000

Complementary

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



42.1360, 0.2338, 0.3257



15.3638, 0.5335, 0.3318

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.



42.1360, 0.4148, 0.3640



42.1360, 0.2338, 0.3257



42.1360, 0.3552, 0.2867

Square

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



42.1360, 0.2338, 0.3257



42.1360, 0.2576, 0.2480



42.1360, 0.3975, 0.3236



42.1360, 0.3649, 0.4206

Rectangle

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



42.1360, 0.2338, 0.3257



42.1360, 0.2234, 0.2612



42.1360, 0.3975, 0.3236



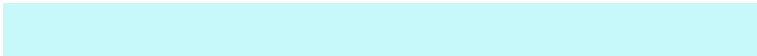
42.1360, 0.4093, 0.3891

Sweetspot

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



42.1376, 0.2338, 0.3257



87.0001, 0.2827, 0.3281



39.5143, 0.3026, 0.5451



18.4492, 0.2788, 0.3280



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



42.1376, 0.2338, 0.3257



73.9162, 0.2270, 0.3250



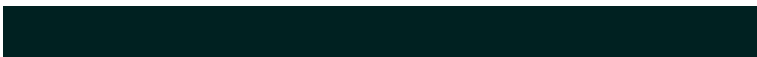
20.1981, 0.2077, 0.2176



11.4012, 0.2984, 0.3286



27.0817, 0.2234, 0.3242



1.1787, 0.2237, 0.3252

Inverse Universe

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



18.5545, 0.3222, 0.1805



29.0808, 0.3236, 0.1646



27.0064, 0.4646, 0.4110



10.2448, 0.3140, 0.3067



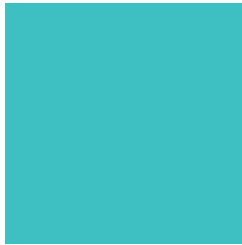
10.0161, 0.3247, 0.1562



0.4336, 0.3238, 0.1557

Previews

White Background



This preview shows how the Yxy color 42.1360, 0.2338, 0.3257 looks on a white background.

Color Contrast Check

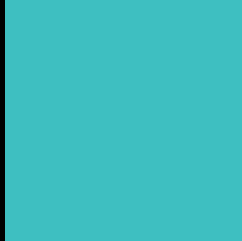
Large Text (above 18pt) WCAG AA × Fail

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 42.1360, 0.2338, 0.3257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

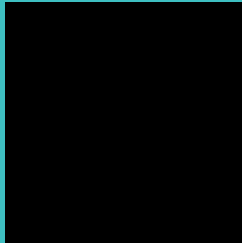
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

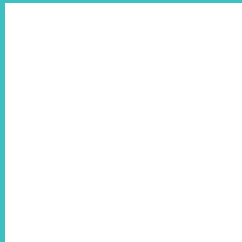
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.1360, 0.2338, 0.3257

Background



This preview shows how black text looks on a background with the Yxy color 42.1360, 0.2338, 0.3257.



This preview shows how white text looks on a background with the Yxy color 42.1360, 0.2338, 0.3257.

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

42.1360, 0.2338, 0.3257

Protanopia

41.3463, 0.3062, 0.3155

Deuteranopia

41.4296, 0.2961, 0.2898



Tritanopia

42.0682, 0.2296, 0.3050

Trichromacy



Original Color

42.1360, 0.2338, 0.3257

Protanomaly

40.3301, 0.2714, 0.3187

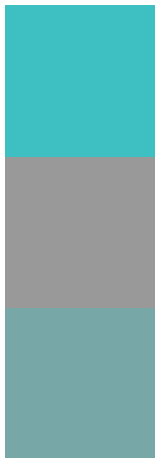
Deuteranomaly

40.1871, 0.2652, 0.3004

Tritanomaly

42.2022, 0.2309, 0.3122

Monochromacy



Original Color

42.1360, 0.2338, 0.3257

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

34.4577, 0.2720, 0.3273

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1360, 0.2338, 0.3257 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(62, 191, 193)` looks like.

```
.text, #text, p{  
    color:rgb(62, 191, 193)  
}
```

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(62, 191, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 191, 193) }
```

Border

The CSS property to change the border of an element to Yxy 42.1360, 0.2338, 0.3257 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(62, 191, 193) }
```

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

```
.border{ border-color:rgb(62, 191, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 191, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 191, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 191, 193);  
box-shadow:4px 4px 4px 4px rgb(62, 191,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1360, 0.2338, 0.3257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 191, 193) }
```

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

```
.background{ background-color: rgb(62, 191,  
193) }
```

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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