

Converting Colors

$Y_{xy}(63.1210, 0.2738, 0.3625)$

Have a look what the booklet for
Yxy(63.1210, 0.2738, 0.3625)
contains.

Yxy(62.8775, 0.2739, 0.3625)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(62.8775, 0.2739, 0.3625)

Conversions

Conversions Part 1

Format	Color
Hex	8BE0C6
RGB	139, 224, 198
RGB Percent	55%, 88%, 78%
CMY	0.4545, 0.1216, 0.2235
CMYK	0.38, 0.00, 0.12, 0.12
HSL	162°, 58%, 71%
HSV	162°, 38%, 88%
XYZ	47.5094, 62.8775, 63.0683
YIQ	195.6210, -42.3140, -26.1060

Conversions

Conversions Part 2

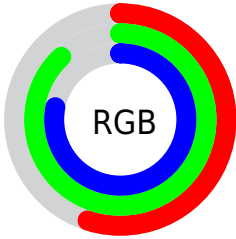
Format	Color
R _Y B	139, 189, 224
Decimal	9167046
CIE Lab	83.38, -31.54, 4.62
CIE LCh	83, 31.879, 171.660
Yxy	62.8775, 0.2739, 0.3625
Android (android.graphics.Color)	4287357126 (0xFF8BE0C6)
YUV	195.6210, 1.1728, -49.6566
Hunter-Lab	79.2953, -31.8195, 8.3499

Details

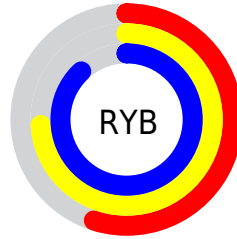
The Yxy color **62.8775, 0.2739, 0.3625** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **37.0578, 0.3768, 0.2985**, and the grayscale version is **54.9893, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3421, 0.2778, 0.3289**, and **31.9037, 0.2640, 0.3712** is the 20% darker color. If you saturate the color by 10%, you get **60.8346, 0.2660, 0.3731**, and if you desaturate by 10%, it is **65.3349, 0.2831, 0.3526**.

Distribution



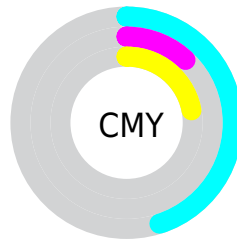
- Red (55%)
- Green (88%)
- Blue (78%)



- Red (55%)
- Yellow (74%)
- Blue (88%)



- Cyan (38%)
- Magenta (0%)
- Yellow (12%)
- Black (12%)




- Cyan (45%)
- Magenta (12%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.8775, 0.2739, 0.3625 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 62.8775, 0.2739, 0.3625 by changing the saturation by 10% instead.


 62.8775, 0.2739,
0.3625

 62.8775, 0.2739,
0.3625


435.1248, 0.2924,
0.3463

 45.7421, 0.2695,
0.3664


 108.9928, 0.2805,
0.3567

 32.0424, 0.2640,
0.3713


 138.7414, 0.2830,
0.3545

 21.3939, 0.2569,
0.3777


173.4633, 0.2851,
0.3527

 13.4122, 0.2475,
0.3863

213.5428, 0.2870,
0.3510

 7.7130, 0.2342,
0.3987

259.3643, 0.2886,
0.3496

 3.9119, 0.2143,
0.4177

311.3122, 0.2900,

 1.6244, 0.1777,

0.3484

0.4526

369.7709, 0.2913,
0.3473

■ 0.3740, 0.0000,
0.8168

■ 0.0000, 0.0000,
0.0000

■ 62.8775, 0.2739,
0.3625

■ 62.8775, 0.2739,
0.3625

■ 60.8346, 0.2660,
0.3731

■ 65.3349, 0.2831,
0.3526

■ 59.1741, 0.2596,
0.3843


■ 68.2215, 0.2932,
0.3434

■ 57.8713, 0.2551,
0.3958


■ 71.5606, 0.3039,
0.3350

■ 56.8955, 0.2525,
0.4075


■ 75.3717, 0.3151,
0.3275


 56.2106, 0.2520,
0.4193

 79.6729, 0.3264,
0.3207

 55.7661, 0.2533,
0.4308

 80.8044, 0.3245,
0.3141

 55.6869, 0.2537,
0.4332

 81.2175, 0.3200,
0.3075

 81.6461, 0.3155,
0.3010

 81.7847, 0.3141,
0.2989

Harmonies

Analogous

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



62.8775, 0.3115, 0.3926



62.8775, 0.2739, 0.3625



62.8775, 0.2476, 0.3231

Triad

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



62.8775, 0.2739, 0.3625



62.8775, 0.2722, 0.2640



62.8775, 0.3934, 0.3615

Complementary

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



62.8775, 0.2739, 0.3625



37.0578, 0.3768, 0.2985

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.



62.8775, 0.3820, 0.3288



62.8775, 0.2739, 0.3625



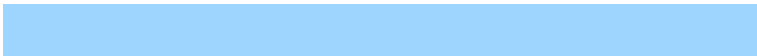
62.8775, 0.3097, 0.2749

Square

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



62.8775, 0.2739, 0.3625



62.8775, 0.2468, 0.2683



62.8775, 0.3505, 0.2980



62.8775, 0.3815, 0.3887

Rectangle

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



62.8775, 0.2739, 0.3625



62.8775, 0.2393, 0.2989



62.8775, 0.3505, 0.2980



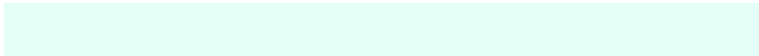
62.8775, 0.3922, 0.3508

Sweetspot

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



62.8800, 0.2739, 0.3625



94.5223, 0.3005, 0.3376



63.2763, 0.3255, 0.4379



20.0987, 0.2990, 0.3387



0.0000, 0.0000, 0.0000



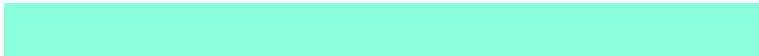
21.4041, 0.3127, 0.3290

Same Dimension

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



62.8800, 0.2739, 0.3625



82.2790, 0.2679, 0.3703



56.1975, 0.2572, 0.3090



15.4972, 0.3022, 0.3363



32.4392, 0.2532, 0.4315



2.2643, 0.2482, 0.4136

Inverse Universe

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



37.0578, 0.3768, 0.2985



43.1984, 0.3958, 0.2926



41.0421, 0.3988, 0.3478



13.7692, 0.3244, 0.3219



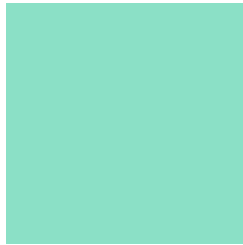
9.4890, 0.5733, 0.2932



0.6734, 0.5292, 0.2689

Previews

White Background



This preview shows how the Yxy color 62.8775, 0.2739, 0.3625 looks on a white background.

Color Contrast Check

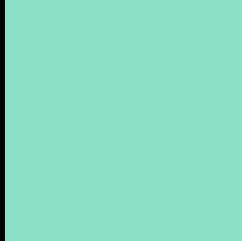
Large Text (above 18pt) WCAG AA × Fail

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 62.8775, 0.2739, 0.3625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

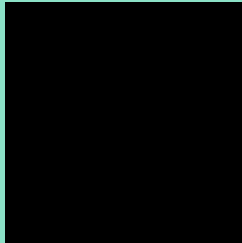
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

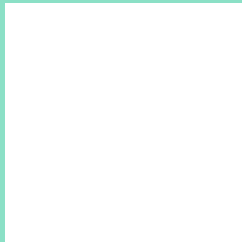
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 62.8775, 0.2739, 0.3625

Background



This preview shows how black text looks on a background with the Yxy color 62.8775, 0.2739, 0.3625.



This preview shows how white text looks on a background with the Yxy color 62.8775, 0.2739, 0.3625.

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

62.8775, 0.2739, 0.3625

Protanopia

62.2205, 0.3327, 0.3498

Deuteranopia

62.1143, 0.3326, 0.3257



Tritanopia

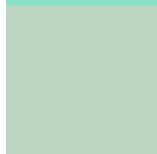
63.0151, 0.2577, 0.3082

Trichromacy



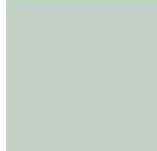
Original Color

62.8775, 0.2739, 0.3625



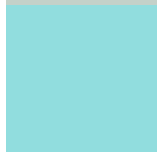
Protanomaly

61.9591, 0.3079, 0.3546



Deuteranomaly

61.5537, 0.3086, 0.3385



Tritanomaly

63.0066, 0.2637, 0.3276

Monochromacy



Original Color

62.8775, 0.2739, 0.3625



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

57.2878, 0.2959, 0.3402

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.8775, 0.2739, 0.3625 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(139, 224, 198)` looks like.

```
.text, #text, p{  
    color:rgb(139, 224, 198)  
}
```

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(139, 224, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 224, 198) }
```

Border

The CSS property to change the border of an element to Yxy 62.8775, 0.2739, 0.3625 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(139, 224, 198) }
```

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

```
.border{ border-color:rgb(139, 224, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 224, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 224, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 224, 198);  
box-shadow:4px 4px 4px 4px rgb(139, 224,  
198) }
```


Background

The CSS property to change the background color of an element to `rgb(62.8775, 0.2739, 0.3625)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 224, 198) }
```

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

```
.background{ background-color: rgb(139,  
224, 198) }
```

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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