

Converting Colors

$Y_{xy}(63.0264, 0.2632, 0.3541)$

Have a look what the booklet for
Yxy(63.0264, 0.2632, 0.3541)
contains.

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Color

Yxy(62.7423, 0.2630, 0.3536)

Conversions

Conversions Part 1

Format	Color
Hex	7EE1CE
RGB	126, 225, 206
RGB Percent	49%, 88%, 81%
CMY	0.5059, 0.1176, 0.1922
CMYK	0.44, 0.00, 0.08, 0.12
HSL	168°, 62%, 69%
HSV	168°, 44%, 88%
XYZ	46.6664, 62.7423, 68.0300
YIQ	193.2330, -52.9050, -26.8970

Conversions

Conversions Part 2

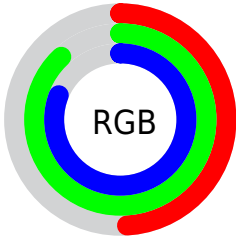
Format	Color
RYB	126, 181, 225
Decimal	8315342
CIELab	83.31, -33.60, 0.24
CIELCh	83, 33.597, 179.592
Yxy	62.7423, 0.2630, 0.3536
Android (android.graphics.Color)	4286505422 (0xFF7EE1CE)
YUV	193.2330, 6.2941, -58.9633
Hunter-Lab	79.2100, -33.4548, 4.5255

Details

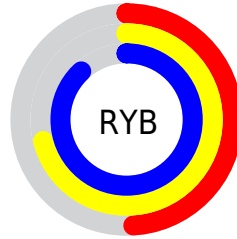
The Yxy color **62.7423, 0.2630, 0.3536** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.9726, 0.4060, 0.3068**, and the grayscale version is **53.4571, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8073, 0.2716, 0.3289**, and **31.8719, 0.2505, 0.3589** is the 20% darker color. If you saturate the color by 10%, you get **61.0153, 0.2550, 0.3602**, and if you desaturate by 10%, it is **64.8647, 0.2725, 0.3473**.

Distribution



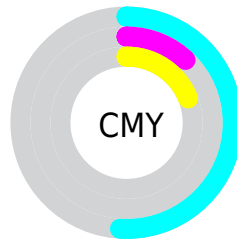
- Red (49%)
- Green (88%)
- Blue (81%)



- Red (49%)
- Yellow (71%)
- Blue (88%)



- Cyan (44%)
- Magenta (0%)
- Yellow (8%)
- Black (12%)





- Cyan (51%)
- Magenta (12%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.7423, 0.2630, 0.3536 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 62.7423, 0.2630, 0.3536 by changing the saturation by 10% instead.


 62.7423, 0.2630,
0.3536

 62.7423, 0.2630,
0.3536


434.6336, 0.2865,
0.3420


 45.6328, 0.2575,
0.3563


 108.7976, 0.2713,
0.3495

 31.9561, 0.2507,
0.3597


 138.5122, 0.2744,
0.3479

 21.3280, 0.2419,
0.3641


 173.1973, 0.2772,
0.3466

 13.3640, 0.2303,
0.3698

213.2373, 0.2795,
0.3454

 7.6796, 0.2143,
0.3778

259.0165, 0.2816,
0.3444

 3.8907, 0.1908,
0.3895

310.9193, 0.2834,

 1.6126, 0.1478,

0.3435

0.4110

369.3303, 0.2851,
0.3427

■ 0.3661, 0.0000,
0.4894

■ 0.0000, 0.0000,
0.0000

■ 62.7423, 0.2630,
0.3536

■ 62.7423, 0.2630,
0.3536

■ 61.0153, 0.2550,
0.3602

■ 64.8647, 0.2725,
0.3473

■ 59.6500, 0.2488,
0.3671


■ 67.3988, 0.2833,
0.3414


■ 58.6196, 0.2446,
0.3741

■ 70.3688, 0.2951,
0.3359


■ 57.8900, 0.2423,
0.3811


■ 73.7951, 0.3076,
0.3309


 57.4199, 0.2419,
0.3881


 77.6965, 0.3205,
0.3263

 57.2226, 0.2423,
0.3922

 80.9365, 0.3293,
0.3222

 81.1852, 0.3264,
0.3179

 81.4399, 0.3235,
0.3137

 81.7008, 0.3206,
0.3095

Harmonies

Analogous

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



62.7423, 0.3002, 0.3897



62.7423, 0.2630, 0.3536



62.7423, 0.2398, 0.3119

Triad

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



62.7423, 0.2630, 0.3536



62.7423, 0.2795, 0.2623



62.7423, 0.3968, 0.3714

Complementary

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



62.7423, 0.2630, 0.3536



32.9726, 0.4060, 0.3068

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.



62.7423, 0.3914, 0.3378



62.7423, 0.2630, 0.3536



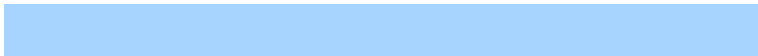
62.7423, 0.3210, 0.2775

Square

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



62.7423, 0.2630, 0.3536



62.7423, 0.2489, 0.2623



62.7423, 0.3629, 0.3044



62.7423, 0.3782, 0.3972

Rectangle

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



62.7423, 0.2630, 0.3536



62.7423, 0.2345, 0.2885



62.7423, 0.3629, 0.3044



62.7423, 0.3978, 0.3606

Sweetspot

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



62.7448, 0.2630, 0.3536



93.8424, 0.2962, 0.3354



61.4528, 0.3189, 0.4609



19.8849, 0.2935, 0.3366



0.0000, 0.0000, 0.0000



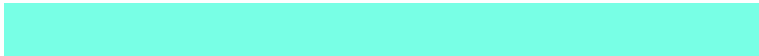
21.4041, 0.3127, 0.3290

Same Dimension

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



62.7448, 0.2630, 0.3536



81.1612, 0.2555, 0.3598



49.0373, 0.2467, 0.2896



15.5248, 0.3007, 0.3335



32.9883, 0.2420, 0.3912



2.2983, 0.2390, 0.3804

Inverse Universe

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



32.9726, 0.4060, 0.3068



36.7266, 0.4380, 0.3029



41.1895, 0.4126, 0.3643



13.7434, 0.3262, 0.3245



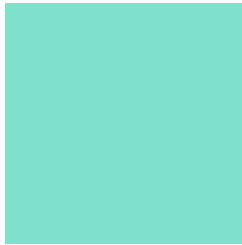
9.3387, 0.6088, 0.3127



0.6598, 0.5669, 0.2897

Previews

White Background



This preview shows how the Yxy color 62.7423, 0.2630, 0.3536 looks on a white background.

Color Contrast Check

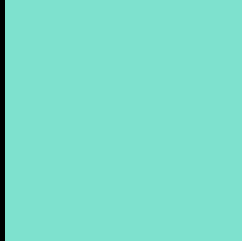
Large Text (above 18pt) WCAG AA × Fail

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 62.7423, 0.2630, 0.3536 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

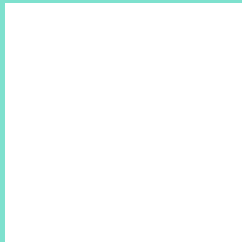
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 62.7423, 0.2630, 0.3536

Background



This preview shows how black text looks on a background with the Yxy color 62.7423, 0.2630, 0.3536.



This preview shows how white text looks on a background with the Yxy color 62.7423, 0.2630, 0.3536.

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

62.7423, 0.2630, 0.3536

Protanopia

62.2289, 0.3260, 0.3417

Deuteranopia

61.8590, 0.3234, 0.3168



Tritanopia

62.5103, 0.2503, 0.3067

Trichromacy



Original Color

62.7423, 0.2630, 0.3536



Protanomaly

61.5358, 0.2990, 0.3461



Deuteranomaly

60.8957, 0.2974, 0.3290



Tritanomaly

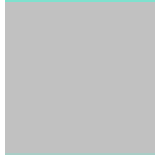
62.6391, 0.2552, 0.3238

Monochromacy



Original Color

62.7423, 0.2630, 0.3536



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

56.1749, 0.2910, 0.3378

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.7423, 0.2630, 0.3536 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(126, 225, 206)` looks like.

```
.text, #text, p{  
    color:rgb(126, 225, 206)  
}
```

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(126, 225, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 225, 206) }
```

Border

The CSS property to change the border of an element to Yxy 62.7423, 0.2630, 0.3536 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(126, 225, 206) }
```

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

```
.border{ border-color:rgb(126, 225, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 225, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 225, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 225, 206);  
box-shadow:4px 4px 4px 4px rgb(126, 225,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 62.7423, 0.2630, 0.3536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 225, 206) }
```

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

```
.background{ background-color: rgb(126,  
225, 206) }
```

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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