

Converting Colors

$Y_{xy}(62.6252, 0.2422, 0.3285)$

Have a look what the booklet for
Yxy(62.6252, 0.2422, 0.3285)
contains.

Yxy(62.5363, 0.2422, 0.3288)	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(62.5363, 0.2422, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	63E2E2
RGB	99, 226, 226
RGB Percent	39%, 89%, 89%
CMY	0.6119, 0.1137, 0.1137
CMYK	0.56, 0.00, 0.00, 0.11
HSL	180°, 69%, 64%
HSV	180°, 56%, 89%
XYZ	46.0654, 62.5363, 81.5939
YIQ	188.0270, -75.6920, -26.9240

Conversions

Conversions Part 2

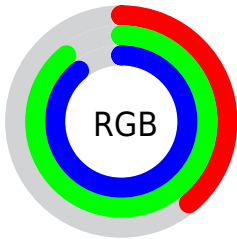
Format	Color
R _Y B	99, 163, 226
Decimal	6546146
CIE Lab	83.20, -34.83, -10.63
CIE LCh	83, 36.414, 196.974
Yxy	62.5363, 0.2422, 0.3288
Android (android.graphics.Color)	4284736226 (0xFF63E2E2)
YUV	188.0270, 18.7207, -78.0767
Hunter-Lab	79.0799, -34.4106, -5.8189

Details

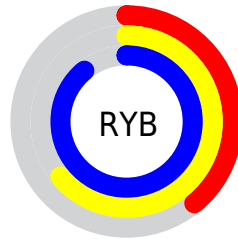
The Yxy color **62.5363, 0.2422, 0.3288** is a light color, and the websafe version is hex **33CCCC**. A complement of this color would be **25.9859, 0.4828, 0.3295**, and the grayscale version is **50.2244, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3171, 0.2610, 0.3288**, and **31.7831, 0.2254, 0.3270** is the 20% darker color. If you saturate the color by 10%, you get **61.4395, 0.2351, 0.3288**, and if you desaturate by 10%, it is **63.9939, 0.2512, 0.3288**.

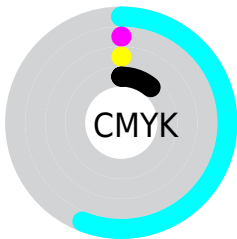
Distribution



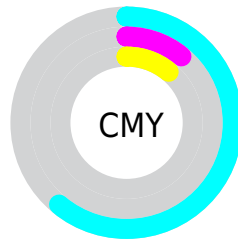
- Red (39%)
- Green (89%)
- Blue (89%)



- Red (39%)
- Yellow (64%)
- Blue (89%)



- Cyan (56%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)





- Cyan (61%)
- Magenta (11%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.5363, 0.2422, 0.3288 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 62.5363, 0.2422, 0.3288 by changing the saturation by 10% instead.


 62.5363, 0.2422,
0.3288


 62.5363, 0.2422,
0.3288


433.8847, 0.2750,
0.3297


 45.4662, 0.2347,
0.3284


 108.5003, 0.2536,
0.3293

 31.8248, 0.2255,
0.3277


 138.1629, 0.2580,
0.3295

 21.2277, 0.2139,
0.3266


 172.7918, 0.2618,
0.3296

 13.2905, 0.1988,
0.3249

212.7714, 0.2651,
0.3296

 7.6289, 0.1786,
0.3219

258.4861, 0.2680,
0.3297

 3.8584, 0.1503,
0.3161

310.3203, 0.2706,

 1.5947, 0.1032,

0.3297

0.3056

368.6583, 0.2729,
0.3297

■ 0.3540, 0.0000,
0.2372

■ 0.0000, 0.0000,
0.0000

■ 62.5363, 0.2422,
0.3288

■ 62.5363, 0.2422,
0.3288

■ 61.4395, 0.2351,
0.3288

■ 63.9939, 0.2512,
0.3288

■ 60.6658, 0.2300,
0.3288


■ 65.8322, 0.2620,
0.3289

■ 60.1819, 0.2267,
0.3288

■ 68.0780, 0.2745,
0.3289


■ 59.9433, 0.2250,
0.3288


■ 70.7538, 0.2882,
0.3289

 59.8881, 0.2247,
0.3288

 73.8802, 0.3031,
0.3290

 77.4767, 0.3187,
0.3290

 81.1490, 0.3332,
0.3291

 81.1490, 0.3332,
0.3291

 81.1491, 0.3332,
0.3291

Harmonies

Analogous

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



62.5363, 0.2743, 0.3742



62.5363, 0.2422, 0.3288



62.5363, 0.2286, 0.2878

Triad

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



62.5363, 0.2422, 0.3288



62.5363, 0.3018, 0.2649



62.5363, 0.3949, 0.3924

Complementary

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



62.5363, 0.2422, 0.3288



25.9859, 0.4828, 0.3295

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.



62.5363, 0.4048, 0.3595



62.5363, 0.2422, 0.3288



62.5363, 0.3489, 0.2890

Square

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



62.5363, 0.2422, 0.3288



62.5363, 0.2609, 0.2550



62.5363, 0.3878, 0.3225



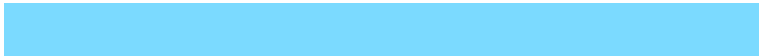
62.5363, 0.3625, 0.4113

Rectangle

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



62.5363, 0.2422, 0.3288



62.5363, 0.2307, 0.2687



62.5363, 0.3878, 0.3225



62.5363, 0.4011, 0.3825

Sweetspot

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



62.5387, 0.2422, 0.3288



92.6849, 0.2870, 0.3289



58.0685, 0.3053, 0.5091



19.6783, 0.2841, 0.3289



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.



62.5387, 0.2422, 0.3288



80.6311, 0.2344, 0.3288



34.9081, 0.2237, 0.2422



15.5724, 0.2982, 0.3290



34.1633, 0.2247, 0.3288



2.3680, 0.2247, 0.3288

Inverse Universe

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



25.9859, 0.4828, 0.3295



28.2666, 0.5368, 0.3297



42.3387, 0.4358, 0.3990



13.7006, 0.3292, 0.3290



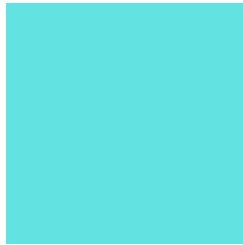
9.2243, 0.6401, 0.3300



0.6394, 0.6400, 0.3300

Previews

White Background



This preview shows how the Yxy color 62.5363, 0.2422, 0.3288 looks on a white background.

Color Contrast Check

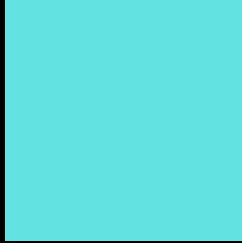
Large Text (above 18pt) WCAG AA × Fail

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 62.5363, 0.2422, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

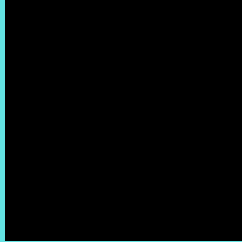
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.5363, 0.2422, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 62.5363, 0.2422, 0.3288.

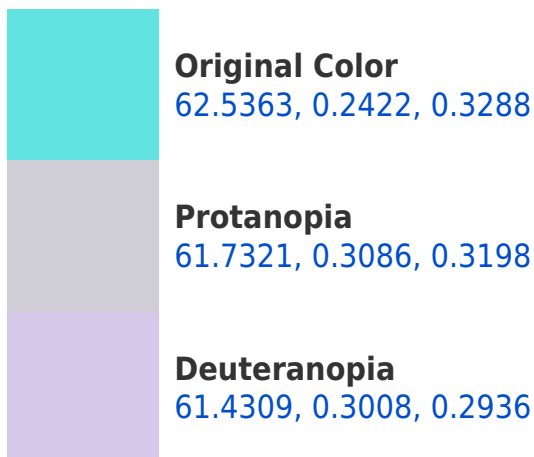


This preview shows how white text looks on a background with the Yxy color 62.5363, 0.2422, 0.3288.

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





Tritanopia

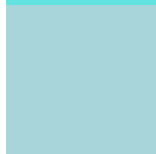
62.7254, 0.2369, 0.3063

Trichromacy



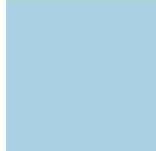
Original Color

62.5363, 0.2422, 0.3288



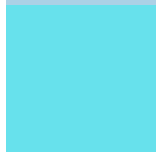
Protanomaly

60.9753, 0.2784, 0.3228



Deuteranomaly

60.0848, 0.2735, 0.3038



Tritanomaly

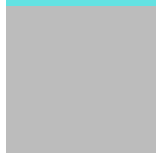
62.7901, 0.2390, 0.3149

Monochromacy



Original Color

62.5363, 0.2422, 0.3288



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

53.5732, 0.2793, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.5363, 0.2422, 0.3288 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(99, 226, 226)` looks like.

```
.text, #text, p{  
    color:rgb(99, 226, 226)  
}
```

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(99, 226, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 226, 226) }
```

Border

The CSS property to change the border of an element to Yxy 62.5363, 0.2422, 0.3288 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(99, 226, 226) }
```

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

```
.border{ border-color:rgb(99, 226, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 226, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 226, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 226, 226);  
box-shadow:4px 4px 4px 4px rgb(99, 226,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 62.5363, 0.2422, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 226, 226) }
```

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

```
.background{ background-color: rgb(99, 226,  
226) }
```

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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