

Converting Colors

$Yxy(62.5419, 0.2552, 0.3545)$

Have a look what the booklet for
Yxy(62.5419, 0.2552, 0.3545)
contains.

Yxy(62.6944, 0.2552, 0.3552)	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(62.6944, 0.2552, 0.3552)

Conversions

Conversions Part 1

Format	Color
Hex	6DE3CF
RGB	109, 227, 207
RGB Percent	43%, 89%, 81%
CMY	0.5723, 0.1098, 0.1882
CMYK	0.52, 0.00, 0.09, 0.11
HSL	170°, 68%, 66%
HSV	170°, 52%, 89%
XYZ	45.0439, 62.6944, 68.7662
YIQ	189.4380, -63.9080, -31.2360

Conversions

Conversions Part 2

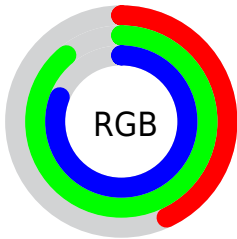
Format	Color
RYB	109, 173, 227
Decimal	7201743
CIELab	83.28, -38.11, -0.42
CIElCh	83, 38.114, 180.630
Yxy	62.6944, 0.2552, 0.3552
Android (android.graphics.Color)	4285391823 (0xFF6DE3CF)
YUV	189.4380, 8.6581, -70.5441
Hunter-Lab	79.1798, -37.0192, 3.9336

Details

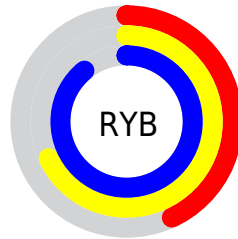
The Yxy color **62.6944, 0.2552, 0.3552** is a light color, and the websafe version is hex **33CCCC**. A complement of this color would be **28.8652, 0.4366, 0.3065**, and the grayscale version is **51.1387, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0648, 0.2642, 0.3289**, and **31.9393, 0.2410, 0.3612** is the 20% darker color. If you saturate the color by 10%, you get **61.2516, 0.2485, 0.3612**, and if you desaturate by 10%, it is **64.5184, 0.2637, 0.3495**.

Distribution



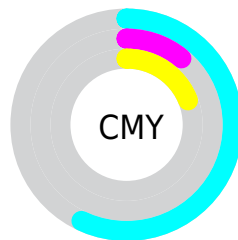
- Red (43%)
- Green (89%)
- Blue (81%)



- Red (43%)
- Yellow (68%)
- Blue (89%)



- Cyan (52%)
- Magenta (0%)
- Yellow (9%)
- Black (11%)



- Cyan (57%)
- Magenta (11%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 62.6944, 0.2552, 0.3552 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 62.6944, 0.2552, 0.3552 by changing the saturation by 10% instead.


 62.6944, 0.2552,
0.3552


 62.6944, 0.2552,
0.3552

434.4595, 0.2823,
0.3429


 45.5940, 0.2489,
0.3581


 108.7285, 0.2647,
0.3509

 31.9256, 0.2410,
0.3616


 138.4310, 0.2684,
0.3492

 21.3047, 0.2310,
0.3661


 173.1030, 0.2715,
0.3478

 13.3469, 0.2178,
0.3721

213.1290, 0.2743,
0.3466

 7.6678, 0.1997,
0.3802

258.8932, 0.2767,
0.3455

 3.8832, 0.1733,
0.3919

310.7801, 0.2788,

 1.6084, 0.1207,

0.3445

369.1741, 0.2806,
0.3437

0.4155

0.3633, 0.0000,
0.4609

0.0000, 0.0000,
0.0000

62.6944, 0.2552,
0.3552

62.6944, 0.2552,
0.3552

61.2516, 0.2485,
0.3612

64.5184, 0.2637,
0.3495

60.1535, 0.2436,
0.3672


66.7424, 0.2737,
0.3440

59.3687, 0.2408,
0.3734


69.3926, 0.2850,
0.3389


58.8570, 0.2398,
0.3795

72.4910, 0.2972,
0.3341


 58.5906, 0.2401,
0.3843

 76.0580, 0.3101,
0.3298

 80.1127, 0.3234,
0.3259

 82.1334, 0.3277,
0.3222

 82.3568, 0.3252,
0.3184

 82.5851, 0.3226,
0.3147

Harmonies

Analogous

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



62.6944, 0.2965, 0.3975



62.6944, 0.2552, 0.3552



62.6944, 0.2301, 0.3076

Triad

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



62.6944, 0.2552, 0.3552



62.6944, 0.2764, 0.2546



62.6944, 0.4077, 0.3773

Complementary

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



62.6944, 0.2552, 0.3552



28.8652, 0.4366, 0.3065

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.



62.6944, 0.4028, 0.3396



62.6944, 0.2552, 0.3552



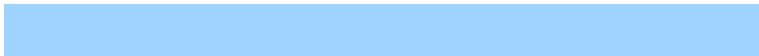
62.6944, 0.3236, 0.2721

Square

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



62.6944, 0.2552, 0.3552



62.6944, 0.2417, 0.2536



62.6944, 0.3711, 0.3022



62.6944, 0.3854, 0.4066

Rectangle

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



62.6944, 0.2552, 0.3552



62.6944, 0.2248, 0.2816



62.6944, 0.3711, 0.3022



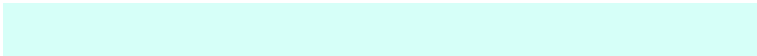
62.6944, 0.4093, 0.3651

Sweetspot

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



62.6969, 0.2552, 0.3552



92.6290, 0.2921, 0.3360



60.8414, 0.3175, 0.4886



19.6481, 0.2895, 0.3370



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.



62.6969, 0.2552, 0.3552



79.6691, 0.2482, 0.3614



45.4754, 0.2357, 0.2783



16.2923, 0.3004, 0.3330



34.1864, 0.2398, 0.3834



2.5374, 0.2374, 0.3745

Inverse Universe

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



28.8652, 0.4366, 0.3065



31.2383, 0.4780, 0.3040



38.1179, 0.4374, 0.3723



14.4076, 0.3266, 0.3250



9.6192, 0.6146, 0.3159



0.7227, 0.5769, 0.2952

Previews

White Background



This preview shows how the Yxy color 62.6944, 0.2552, 0.3552 looks on a white background.

Color Contrast Check

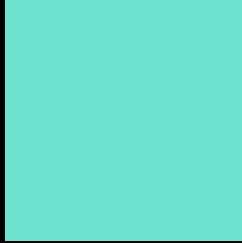
Large Text (above 18pt) WCAG AA × Fail

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 62.6944, 0.2552, 0.3552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

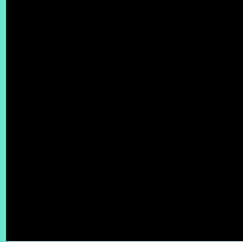
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.6944, 0.2552, 0.3552

Background



This preview shows how black text looks on a background with the Yxy color 62.6944, 0.2552, 0.3552.

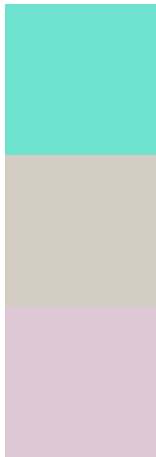


This preview shows how white text looks on a background with the Yxy color 62.6944, 0.2552, 0.3552.

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

62.6944, 0.2552, 0.3552

Protanopia

61.5998, 0.3253, 0.3406

Deuteranopia

61.8006, 0.3212, 0.3146



Tritanopia

62.5269, 0.2431, 0.3065

Trichromacy



Original Color

62.6944, 0.2552, 0.3552



Protanomaly

60.8260, 0.2948, 0.3463



Deuteranomaly

60.7414, 0.2919, 0.3277



Tritanomaly

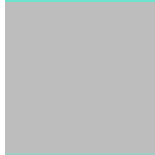
62.6257, 0.2474, 0.3237

Monochromacy



Original Color

62.6944, 0.2552, 0.3552



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

54.1710, 0.2859, 0.3380

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.6944, 0.2552, 0.3552 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(109, 227, 207)` looks like.

```
.text, #text, p{  
    color:rgb(109, 227, 207)  
}
```

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(109, 227, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 227, 207) }
```

Border

The CSS property to change the border of an element to Yxy 62.6944, 0.2552, 0.3552 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(109, 227, 207) }
```

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

```
.border{ border-color:rgb(109, 227, 207) }
```

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

Here you see how a box with a 4 pixel rgb(109, 227, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 227, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 227, 207);  
box-shadow:4px 4px 4px 4px rgb(109, 227,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 62.6944, 0.2552, 0.3552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 227, 207) }
```

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

```
.background{ background-color: rgb(109,  
227, 207) }
```

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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