

Converting Colors

$Yxy(66.4919, 0.2772, 0.3519)$

Have a look what the booklet for
Yxy(66.4919, 0.2772, 0.3519)
contains.

Yxy(66.5102, 0.2772, 0.3512)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(66.5102, 0.2772, 0.3512)

Conversions

Conversions Part 1

Format	Color
Hex	9BE3D1
RGB	155, 227, 209
RGB Percent	61%, 89%, 82%
CMY	0.3920, 0.1098, 0.1805
CMYK	0.32, 0.00, 0.08, 0.11
HSL	165°, 56%, 75%
HSV	165°, 32%, 89%
XYZ	52.4961, 66.5102, 70.3735
YIQ	203.4200, -37.1340, -20.8620

Conversions

Conversions Part 2

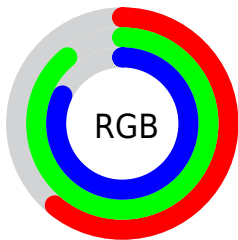
Format	Color
RYB	155, 196, 227
Decimal	10216401
CIELab	85.26, -26.21, 1.66
CIELCh	85, 26.266, 176.379
Yxy	66.5102, 0.2772, 0.3512
Android (android.graphics.Color)	4288406481 (0xFF9BE3D1)
YUV	203.4200, 2.7509, -42.4643
Hunter-Lab	81.5538, -27.8189, 5.9257

Details

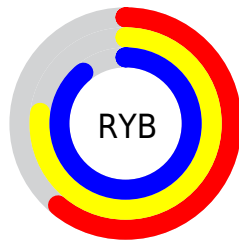
The Yxy color **66.5102, 0.2772, 0.3512** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.8029, 0.3668, 0.3082**, and the grayscale version is **60.0025, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **34.2591, 0.2682, 0.3555** is the 20% darker color. If you saturate the color by 10%, you get **64.1969, 0.2679, 0.3595**, and if you desaturate by 10%, it is **69.2611, 0.2876, 0.3435**.

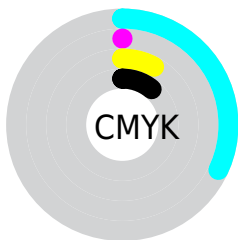
Distribution



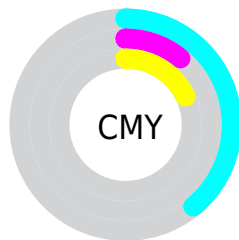
- Red (61%)
- Green (89%)
- Blue (82%)



- Red (61%)
- Yellow (77%)
- Blue (89%)



- Cyan (32%)
- Magenta (0%)
- Yellow (8%)
- Black (11%)





- Cyan (39%)
- Magenta (11%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.5102, 0.2772, 0.3512 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 66.5102, 0.2772, 0.3512 by changing the saturation by 10% instead.


 66.5102, 0.2772,
0.3512


 66.5102, 0.2772,
0.3512


448.1993, 0.2939,
0.3407

 48.6867, 0.2733,
0.3537


 114.2183, 0.2831,
0.3475

 34.3710, 0.2685,
0.3567


 144.8717, 0.2853,
0.3461

 23.1788, 0.2623,
0.3607


180.5705, 0.2872,
0.3449

 14.7256, 0.2541,
0.3659

221.6990, 0.2889,
0.3438

 8.6270, 0.2429,
0.3732

268.6418, 0.2904,
0.3429

 4.4987, 0.2263,
0.3841

321.7832, 0.2917,

 1.9563, 0.1996,

0.3421

0.4019

381.5076, 0.2929,
0.3413

0.5819, 0.0000,
0.5292

0.0000, 0.0000,
0.0000

66.5102, 0.2772,
0.3512

66.5102, 0.2772,
0.3512

64.1969, 0.2679,
0.3595

69.2611, 0.2876,
0.3435

62.2894, 0.2601,
0.3682


72.4636, 0.2989,
0.3365


60.7641, 0.2539,
0.3773


76.1407, 0.3107,
0.3300

59.5919, 0.2497,
0.3866


80.3117, 0.3228,
0.3243


 58.7391, 0.2474,
0.3961


 82.3376, 0.3254,
0.3188

 58.1655, 0.2472,
0.4054

 82.6760, 0.3217,
0.3133

 57.8469, 0.2481,
0.4131

 83.0251, 0.3180,
0.3078

 83.3850, 0.3143,
0.3024

 83.4194, 0.3140,
0.3019

Harmonies

Analogous

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



66.5102, 0.3070, 0.3769



66.5102, 0.2772, 0.3512



66.5102, 0.2574, 0.3198

Triad

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



66.5102, 0.2772, 0.3512



66.5102, 0.2842, 0.2763



66.5102, 0.3776, 0.3600

Complementary

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



66.5102, 0.2772, 0.3512



42.8029, 0.3668, 0.3082

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.



66.5102, 0.3712, 0.3336



66.5102, 0.2772, 0.3512



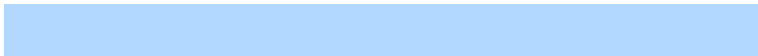
66.5102, 0.3158, 0.2870

Square

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



66.5102, 0.2772, 0.3512



66.5102, 0.2613, 0.2781



66.5102, 0.3481, 0.3075



66.5102, 0.3656, 0.3803

Rectangle

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



66.5102, 0.2772, 0.3512



66.5102, 0.2520, 0.3011



66.5102, 0.3481, 0.3075



66.5102, 0.3775, 0.3516

Sweetspot

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



66.5129, 0.2772, 0.3512



95.0758, 0.3008, 0.3354



66.3311, 0.3214, 0.4188



20.2129, 0.2991, 0.3363



0.0000, 0.0000, 0.0000



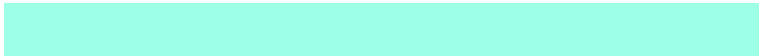
21.4041, 0.3127, 0.3290

Same Dimension

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



66.5129, 0.2772, 0.3512



84.5533, 0.2710, 0.3565



58.7137, 0.2650, 0.3081



16.2715, 0.3015, 0.3350



33.7554, 0.2477, 0.4117



2.5090, 0.2439, 0.3981

Inverse Universe

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



42.8029, 0.3668, 0.3082



49.1407, 0.3830, 0.3037



48.1363, 0.3791, 0.3488



14.4269, 0.3253, 0.3231



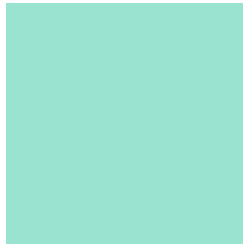
9.7115, 0.5923, 0.3036



0.7323, 0.5509, 0.2808

Previews

White Background



This preview shows how the Yxy color 66.5102, 0.2772, 0.3512 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 66.5102, 0.2772, 0.3512 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

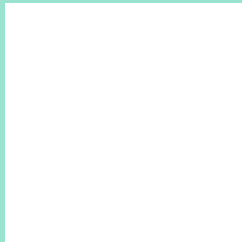
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.5102, 0.2772, 0.3512

Background



This preview shows how black text looks on a background with the Yxy color 66.5102, 0.2772, 0.3512.

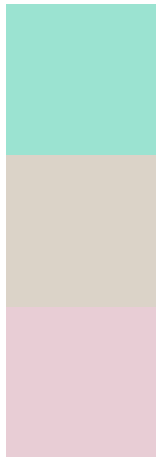


This preview shows how white text looks on a background with the Yxy color 66.5102, 0.2772, 0.3512.

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

66.5102, 0.2772, 0.3512

Protanopia

65.8187, 0.3264, 0.3414

Deuteranopia

65.6225, 0.3277, 0.3204



Tritanopia

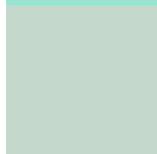
66.2152, 0.2637, 0.3077

Trichromacy



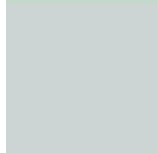
Original Color

66.5102, 0.2772, 0.3512



Protanomaly

65.6733, 0.3069, 0.3454



Deuteranomaly

65.1793, 0.3068, 0.3301



Tritanomaly

66.3394, 0.2682, 0.3229

Monochromacy



Original Color

66.5102, 0.2772, 0.3512



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

61.9338, 0.2986, 0.3374

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.5102, 0.2772, 0.3512 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(155, 227, 209)` looks like.

```
.text, #text, p{  
    color:rgb(155, 227, 209)  
}
```

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(155, 227, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 227, 209) }
```

Border

The CSS property to change the border of an element to Yxy 66.5102, 0.2772, 0.3512 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(155, 227, 209) }
```

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

```
.border{ border-color:rgb(155, 227, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 227, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 227, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 227, 209);  
box-shadow:4px 4px 4px 4px rgb(155, 227,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 66.5102, 0.2772, 0.3512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 227, 209) }
```

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

```
.background{ background-color: rgb(155,  
227, 209) }
```

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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