

Converting Colors

$Yxy(62.7501, 0.2630, 0.4506)$

Have a look what the booklet for
Yxy(62.7501, 0.2630, 0.4506)
contains.

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Color

Yxy(62.7501, 0.2630, 0.4506)

Conversions

Conversions Part 1

Format	Color
Hex	2AEC98
RGB	42, 236, 152
RGB Percent	16%, 93%, 60%
CMY	0.8342, 0.0745, 0.4039
CMYK	0.82, 0.00, 0.36, 0.07
HSL	154°, 84%, 55%
HSV	154°, 82%, 93%
XYZ	36.6251, 62.7501, 39.8838
YIQ	168.4180, -88.6600, -67.2520

Conversions

Conversions Part 2

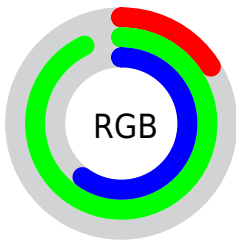
Format	Color
R_{YB}	42, 166, 236
Decimal	2813080
CIE _{Lab}	83.31, -64.22, 28.12
CIE _{LCh}	83, 70.107, 156.349
Yxy	62.7501, 0.2630, 0.4506
Android (android.graphics.Color)	4281003160 (0xFF2AEC98)
YUV	168.4180, -8.0941, -110.8686
Hunter-Lab	79.2150, -56.0965, 25.5987

Details

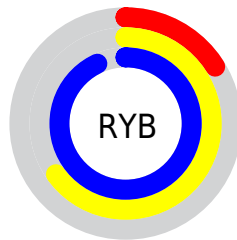
The Yxy color **62.7501, 0.2630, 0.4506** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **21.0201, 0.4779, 0.2562**, and the grayscale version is **39.4865, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1626, 0.2662, 0.3876**, and **33.1603, 0.2667, 0.4801** is the 20% darker color. If you saturate the color by 10%, you get **62.0689, 0.2644, 0.4673**, and if you desaturate by 10%, it is **63.7582, 0.2636, 0.4335**.

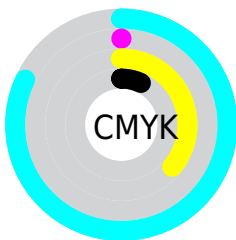
Distribution



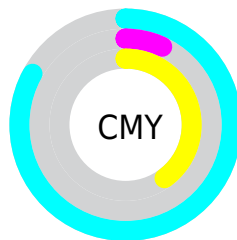
- Red (16%)
- Green (93%)
- Blue (60%)



- Red (16%)
- Yellow (65%)
- Blue (93%)



- Cyan (82%)
- Magenta (0%)
- Yellow (36%)
- Black (7%)





- Cyan (83%)
- Magenta (7%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.7501, 0.2630, 0.4506 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 62.7501, 0.2630, 0.4506 by changing the saturation by 10% instead.


 62.7501, 0.2630,
0.4506

 62.7501, 0.2630,
0.4506


434.6620, 0.2887,
0.3885

 45.6391, 0.2564,
0.4664

 108.8089, 0.2725,
0.4278

 31.9611, 0.2478,
0.4867


 138.5255, 0.2760,
0.4193


 21.3318, 0.2362,
0.5137


 173.2127, 0.2790,
0.4121

 13.3667, 0.2200,
0.5513

 213.2549, 0.2815,
0.4060

 7.6816, 0.1959,
0.6063

 259.0365, 0.2837,
0.4007

 3.8919, 0.1576,
0.6923

310.9420, 0.2856,

 1.6133, 0.0000,

0.3961

1.0000

369.3557, 0.2873,
0.3921

■ 0.3665, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 62.7501, 0.2630,
0.4506

■ 62.7501, 0.2630,
0.4506

■ 62.0689, 0.2644,
0.4673


■ 63.7582, 0.2636,
0.4335

■ 61.6999, 0.2667,
0.4801


■ 65.1311, 0.2663,
0.4164


■ 66.9090, 0.2708,
0.3997


■ 69.1249, 0.2769,
0.3838

 71.8081, 0.2843,
0.3688

 74.9853, 0.2926,
0.3550

 78.6815, 0.3015,
0.3425

 82.9194, 0.3108,
0.3312

 87.7209, 0.3202,
0.3211

Harmonies

Analogous

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



62.7501, 0.3451, 0.4932



62.7501, 0.2630, 0.4506



62.7501, 0.1991, 0.3570

Triad

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



62.7501, 0.2630, 0.4506



62.7501, 0.1992, 0.1986



62.7501, 0.4834, 0.3507

Complementary

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



62.7501, 0.2630, 0.4506



21.0201, 0.4779, 0.2562

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.



62.7501, 0.4341, 0.2905



62.7501, 0.2630, 0.4506



62.7501, 0.2606, 0.2077

Square

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



62.7501, 0.2630, 0.4506



62.7501, 0.1683, 0.2171



62.7501, 0.3472, 0.2402



62.7501, 0.4761, 0.4139

Rectangle

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



62.7501, 0.2630, 0.4506



62.7501, 0.1743, 0.2952



62.7501, 0.3472, 0.2402



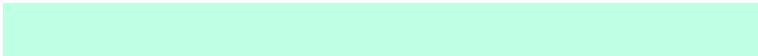
62.7501, 0.4731, 0.3300

Sweetspot

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



62.7526, 0.2630, 0.4506



88.1946, 0.2900, 0.3591



64.8590, 0.3378, 0.5541



18.5903, 0.2870, 0.3639



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.



62.7526, 0.2630, 0.4506



73.5974, 0.2666, 0.4792



61.1143, 0.2244, 0.3161



17.0051, 0.3039, 0.3394



34.0383, 0.2660, 0.4775



2.6921, 0.2597, 0.4549

Inverse Universe

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



21.0201, 0.4779, 0.2562



22.4855, 0.5260, 0.2676



20.4528, 0.5946, 0.3356



15.1625, 0.3225, 0.3188



10.3871, 0.5236, 0.2658



0.8346, 0.4887, 0.2466

Previews

White Background



This preview shows how the Yxy color 62.7501, 0.2630, 0.4506 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 62.7501, 0.2630, 0.4506 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 62.7501, 0.2630, 0.4506

Background



This preview shows how black text looks on a background with the Yxy color 62.7501, 0.2630, 0.4506.

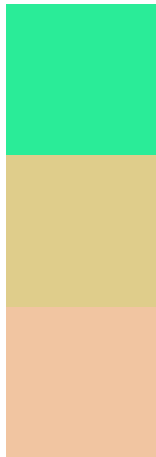


This preview shows how white text looks on a background with the Yxy color 62.7501, 0.2630, 0.4506.

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

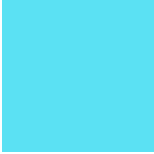
62.7501, 0.2630, 0.4506

Protanopia

61.2147, 0.3760, 0.4044

Deuteranopia

61.2065, 0.3773, 0.3685



Tritanopia

62.5456, 0.2321, 0.3061

Trichromacy



Original Color

62.7501, 0.2630, 0.4506



Protanomaly

58.2934, 0.3172, 0.4251



Deuteranomaly

57.4922, 0.3175, 0.3983



Tritanomaly

62.1082, 0.2420, 0.3544

Monochromacy



Original Color

62.7501, 0.2630, 0.4506



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

44.8861, 0.2811, 0.3754

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.7501, 0.2630, 0.4506 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(42, 236, 152)` looks like.

```
.text, #text, p{  
    color:rgb(42, 236, 152)  
}
```

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(42, 236, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 236, 152) }
```

Border

The CSS property to change the border of an element to Yxy 62.7501, 0.2630, 0.4506 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(42, 236, 152) }
```

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

```
.border{ border-color:rgb(42, 236, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 236, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 236, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 236, 152);  
box-shadow:4px 4px 4px 4px rgb(42, 236,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 62.7501, 0.2630, 0.4506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 236, 152) }
```

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

```
.background{ background-color: rgb(42, 236,  
152) }
```

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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