

Converting Colors

$Y_{xy}(62.1546, 0.2365, 0.3518)$

Have a look what the booklet for
Yxy(62.1546, 0.2365, 0.3518)
contains.

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Color

Yxy(62.1546, 0.2365, 0.3518)

Conversions

Conversions Part 1

Format	Color
Hex	35E6D5
RGB	53, 230, 213
RGB Percent	21%, 90%, 84%
CMY	0.7911, 0.0981, 0.1647
CMYK	0.77, 0.00, 0.07, 0.10
HSL	174°, 78%, 56%
HSV	174°, 77%, 90%
XYZ	41.7839, 62.1546, 72.7375
YIQ	175.1390, -100.0350, -42.8110

Conversions

Conversions Part 2

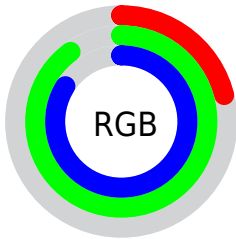
Format	Color
R _{YB}	53, 146, 230
Decimal	3532501
CIE Lab	83.00, -46.52, -4.15
CIE LCh	83, 46.706, 185.102
Yxy	62.1546, 0.2365, 0.3518
Android (android.graphics.Color)	4281722581 (0xFF35E6D5)
YUV	175.1390, 18.6655, -107.1159
Hunter-Lab	78.8382, -43.3627, 0.4847

Details

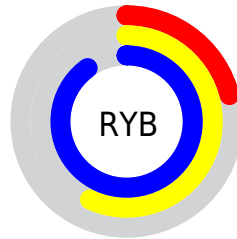
The Yxy color **62.1546, 0.2365, 0.3518** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **19.8376, 0.5588, 0.3164**, and the grayscale version is **42.9253, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3292, 0.2475, 0.3288**, and **32.7407, 0.2326, 0.3575** is the 20% darker color. If you saturate the color by 10%, you get **61.5613, 0.2340, 0.3551**, and if you desaturate by 10%, it is **63.0533, 0.2409, 0.3485**.

Distribution



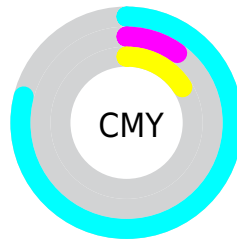
- Red (21%)
- Green (90%)
- Blue (84%)



- Red (21%)
- Yellow (57%)
- Blue (90%)



- Cyan (77%)
- Magenta (0%)
- Yellow (7%)
- Black (10%)




- Cyan (79%)
- Magenta (10%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.1546, 0.2365, 0.3518 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 62.1546, 0.2365, 0.3518 by changing the saturation by 10% instead.


 62.1546, 0.2365,
0.3518


 62.1546, 0.2365,
0.3518


432.4948, 0.2721,
0.3416

 45.1576, 0.2283,
0.3540

 107.9489, 0.2489,
0.3483

 31.5816, 0.2182,
0.3567

 137.5151, 0.2537,
0.3469

 21.0421, 0.2054,
0.3600


 172.0398, 0.2579,
0.3458

 13.1548, 0.1888,
0.3641

 211.9074, 0.2615,
0.3447

 7.5352, 0.1664,
0.3693

257.5023, 0.2646,
0.3438

 3.7990, 0.1350,
0.3755

309.2089, 0.2674,

 1.5618, 0.0586,

0.3430

0.3950

367.4116, 0.2699,
0.3422

0.3316, 0.0000,
0.3373

0.0000, 0.0000,
0.0000

62.1546, 0.2365,
0.3518

62.1546, 0.2365,
0.3518

61.5613, 0.2340,
0.3551

63.0533, 0.2409,
0.3485

61.2181, 0.2332,
0.3584


64.2882, 0.2472,
0.3452

61.1368, 0.2332,
0.3594


65.8936, 0.2555,
0.3420


67.8982, 0.2654,
0.3389

 70.3274, 0.2768,
0.3359

 73.2049, 0.2895,
0.3332

 76.5524, 0.3031,
0.3306

 80.3903, 0.3173,
0.3283

 83.7271, 0.3281,
0.3262

Harmonies

Analogous

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



62.1546, 0.2836, 0.4084



62.1546, 0.2365, 0.3518



62.1546, 0.2106, 0.2937

Triad

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



62.1546, 0.2365, 0.3518



62.1546, 0.2759, 0.2417



62.1546, 0.4266, 0.3921

Complementary

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



62.1546, 0.2365, 0.3518



19.8376, 0.5588, 0.3164

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.



62.1546, 0.4267, 0.3471



62.1546, 0.2365, 0.3518



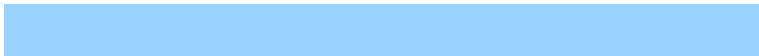
62.1546, 0.3347, 0.2651

Square

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



62.1546, 0.2365, 0.3518



62.1546, 0.2317, 0.2368



62.1546, 0.3920, 0.3023



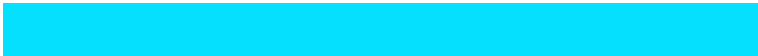
62.1546, 0.3941, 0.4270

Rectangle

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



62.1546, 0.2365, 0.3518



62.1546, 0.2070, 0.2644



62.1546, 0.3920, 0.3023



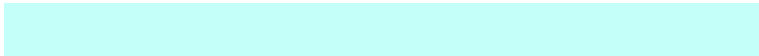
62.1546, 0.4306, 0.3776

Sweetspot

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



62.1570, 0.2365, 0.3518



90.1646, 0.2814, 0.3349



58.1860, 0.3071, 0.5666



19.0301, 0.2769, 0.3359



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.



62.1570, 0.2365, 0.3518



77.5236, 0.2334, 0.3570



31.3767, 0.2030, 0.2257



16.3112, 0.2994, 0.3313



34.6249, 0.2330, 0.3589



2.5656, 0.2317, 0.3541

Inverse Universe

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



19.8376, 0.5588, 0.3164



21.9487, 0.6149, 0.3219



31.4852, 0.5104, 0.3970



14.3904, 0.3277, 0.3268



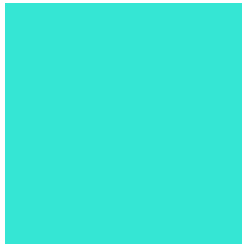
9.5652, 0.6287, 0.3237



0.7146, 0.6021, 0.3090

Previews

White Background



This preview shows how the Yxy color 62.1546, 0.2365, 0.3518 looks on a white background.

Color Contrast Check

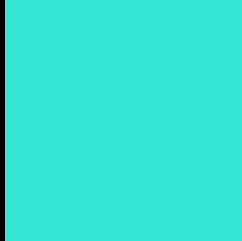
Large Text (above 18pt) WCAG AA × Fail

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 62.1546, 0.2365, 0.3518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

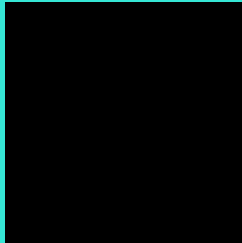
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.1546, 0.2365, 0.3518

Background



This preview shows how black text looks on a background with the Yxy color 62.1546, 0.2365, 0.3518.

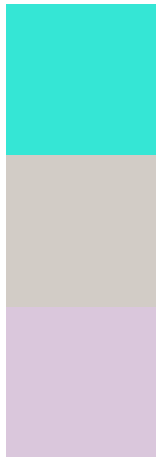


This preview shows how white text looks on a background with the Yxy color 62.1546, 0.2365, 0.3518.

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

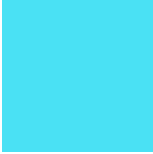
62.1546, 0.2365, 0.3518

Protanopia

60.9646, 0.3217, 0.3360

Deuteranopia

60.9196, 0.3123, 0.3056



Tritanopia

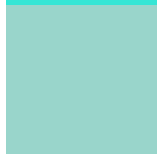
61.8379, 0.2270, 0.3046

Trichromacy



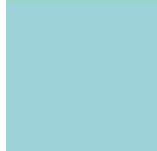
Original Color

62.1546, 0.2365, 0.3518



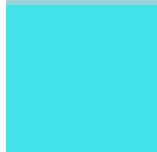
Protanomaly

58.6726, 0.2779, 0.3417



Deuteranomaly

58.3720, 0.2724, 0.3201



Tritanomaly

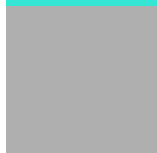
61.9796, 0.2300, 0.3209

Monochromacy



Original Color

62.1546, 0.2365, 0.3518



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

47.5296, 0.2701, 0.3373

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.1546, 0.2365, 0.3518 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(53, 230, 213)` looks like.

```
.text, #text, p{  
    color:rgb(53, 230, 213)  
}
```

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(53, 230, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 230, 213) }
```

Border

The CSS property to change the border of an element to Yxy 62.1546, 0.2365, 0.3518 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(53, 230, 213) }
```

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

```
.border{ border-color:rgb(53, 230, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 230, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 230, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 230, 213);  
box-shadow:4px 4px 4px 4px rgb(53, 230,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 62.1546, 0.2365, 0.3518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 230, 213) }
```

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

```
.background{ background-color: rgb(53, 230,  
213) }
```

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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