

Converting Colors

$Yxy(65.1488, 0.2329, 0.3392)$

Have a look what the booklet for
Yxy(65.1488, 0.2329, 0.3392)
contains.

Yxy(65.1488, 0.2329, 0.3392)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(65.1488, 0.2329, 0.3392)

Conversions

Conversions Part 1

Format	Color
Hex	37EAE2
RGB	55, 234, 226
RGB Percent	22%, 92%, 89%
CMY	0.7839, 0.0824, 0.1136
CMYK	0.76, 0.00, 0.03, 0.08
HSL	177°, 81%, 57%
HSV	177°, 76%, 92%
XYZ	44.7322, 65.1488, 82.1851
YIQ	179.5670, -104.1160, -40.4360

Conversions

Conversions Part 2

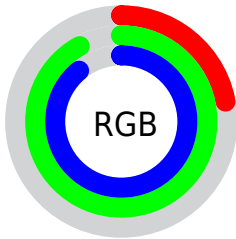
Format	Color
RYB	55, 147, 234
Decimal	3664610
CIELab	84.56, -44.53, -8.72
CIELCh	85, 45.372, 191.079
Yxy	65.1488, 0.2329, 0.3392
Android (android.graphics.Color)	4281854690 (0xFF37EAE2)
YUV	179.5670, 22.8915, -109.2453
Hunter-Lab	80.7148, -42.3261, -3.8696

Details

The Yxy color **65.1488, 0.2329, 0.3392** 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 **20.5943, 0.5694, 0.3239**, and the grayscale version is **45.3330, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5653, 0.2486, 0.3288**, and **34.3846, 0.2275, 0.3391** is the 20% darker color. If you saturate the color by 10%, you get **64.5813, 0.2300, 0.3407**, and if you desaturate by 10%, it is **66.0347, 0.2377, 0.3377**.

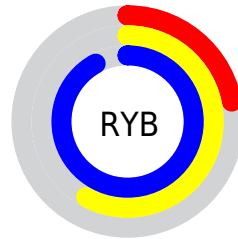
Distribution



Red (22%)

Green (92%)

Blue (89%)



Red (22%)

Yellow (58%)

Blue (92%)

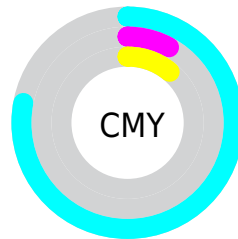


Cyan (76%)

Magenta (0%)

Yellow (3%)

Black (8%)



Cyan (78%)


Magenta (8%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.1488, 0.2329, 0.3392 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 65.1488, 0.2329, 0.3392 by changing the saturation by 10% instead.

 65.1488, 0.2329,
0.3392

 65.1488, 0.2329,
0.3392


443.3265, 0.2697,
0.3353


 47.5817, 0.2246,
0.3398


 112.2638, 0.2456,
0.3380


 33.4958, 0.2144,
0.3405


 142.5805, 0.2505,
0.3375

 22.5065, 0.2017,
0.3411


 177.9158, 0.2548,
0.3371

 14.2296, 0.1853,
0.3416

 218.6542, 0.2585,
0.3367

 8.2805, 0.1635,
0.3415

265.1801, 0.2618,
0.3363

 4.2750, 0.1337,
0.3398

317.8779, 0.2647,

 1.8285, 0.0820,

0.3360

377.1319, 0.2673,
0.3356

0.3370

0.5049, 0.0000,
0.3009

0.0000, 0.0000,
0.0000

65.1488, 0.2329,
0.3392

65.1488, 0.2329,
0.3392

64.5813, 0.2300,
0.3407

66.0347, 0.2377,
0.3377


64.2757, 0.2287,
0.3421


67.2706, 0.2445,
0.3362


64.2021, 0.2285,
0.3426

68.8925, 0.2531,
0.3348


70.9299, 0.2636,
0.3334

 73.4094, 0.2756,
0.3321

 76.3555, 0.2888,
0.3308

 79.7909, 0.3031,
0.3297

 83.7367, 0.3181,
0.3286

 86.1255, 0.3261,
0.3277

Harmonies

Analogous

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



65.1488, 0.2748, 0.3953



65.1488, 0.2329, 0.3392



65.1488, 0.2125, 0.2861

Triad

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



65.1488, 0.2329, 0.3392



65.1488, 0.2880, 0.2482



65.1488, 0.4178, 0.3977

Complementary

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



65.1488, 0.2329, 0.3392



20.5943, 0.5694, 0.3239

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.



65.1488, 0.4245, 0.3556



65.1488, 0.2329, 0.3392



65.1488, 0.3455, 0.2738

Square

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



65.1488, 0.2329, 0.3392



65.1488, 0.2419, 0.2398



65.1488, 0.3974, 0.3118



65.1488, 0.3820, 0.4271

Rectangle

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



65.1488, 0.2329, 0.3392



65.1488, 0.2121, 0.2608



65.1488, 0.3974, 0.3118



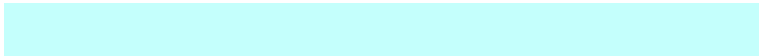
65.1488, 0.4238, 0.3844

Sweetspot

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



65.1513, 0.2329, 0.3392



90.3555, 0.2799, 0.3317



60.2123, 0.3041, 0.5681



19.0773, 0.2752, 0.3321



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.



65.1513, 0.2329, 0.3392



78.2378, 0.2291, 0.3416



29.7011, 0.1997, 0.2126



17.1096, 0.2987, 0.3300



36.0845, 0.2285, 0.3424



2.8371, 0.2279, 0.3404

Inverse Universe

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



20.5943, 0.5694, 0.3239



21.8727, 0.6237, 0.3268



35.2669, 0.4997, 0.4064



15.0649, 0.3286, 0.3280



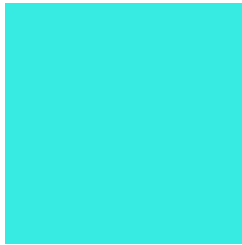
9.8475, 0.6353, 0.3273



0.7771, 0.6225, 0.3203

Previews

White Background



This preview shows how the Yxy color 65.1488, 0.2329, 0.3392 looks on a white background.

Color Contrast Check

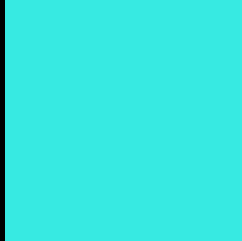
Large Text (above 18pt) WCAG AA × Fail

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 65.1488, 0.2329, 0.3392 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 65.1488, 0.2329, 0.3392

Background



This preview shows how black text looks on a background with the Yxy color 65.1488, 0.2329, 0.3392.

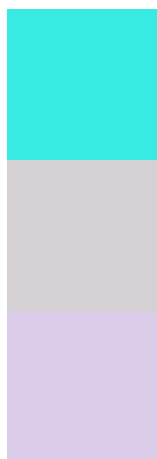


This preview shows how white text looks on a background with the Yxy color 65.1488, 0.2329, 0.3392.

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

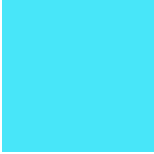
65.1488, 0.2329, 0.3392

Protanopia

63.8119, 0.3136, 0.3256

Deuteranopia

64.1290, 0.3038, 0.2974



Tritanopia

64.8109, 0.2262, 0.3050

Trichromacy



Original Color

65.1488, 0.2329, 0.3392



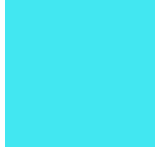
Protanomaly

61.5521, 0.2721, 0.3301



Deuteranomaly

61.6850, 0.2663, 0.3107



Tritanomaly

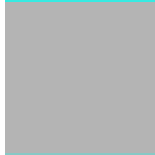
64.6610, 0.2283, 0.3160

Monochromacy



Original Color

65.1488, 0.2329, 0.3392



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

50.4907, 0.2686, 0.3330

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.1488, 0.2329, 0.3392 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(55, 234, 226)` looks like.

```
.text, #text, p{  
    color:rgb(55, 234, 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(55, 234, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 234, 226) }
```

Border

The CSS property to change the border of an element to Yxy 65.1488, 0.2329, 0.3392 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(55, 234, 226) }
```

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

```
.border{ border-color:rgb(55, 234, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 234, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 234, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 234, 226);  
box-shadow:4px 4px 4px 4px rgb(55, 234,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 65.1488, 0.2329, 0.3392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 234, 226) }
```

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

```
.background{ background-color: rgb(55, 234,  
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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