

Converting Colors

$Yxy(65.5595, 0.2466, 0.3476)$

Have a look what the booklet for
Yxy(65.5595, 0.2466, 0.3476)
contains.

Yxy(65.2620, 0.2464, 0.3470)	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(65.2620, 0.2464, 0.3470)

Conversions

Conversions Part 1

Format	Color
Hex	60E8DA
RGB	96, 232, 218
RGB Percent	38%, 91%, 85%
CMY	0.6231, 0.0902, 0.1452
CMYK	0.59, 0.00, 0.06, 0.09
HSL	174°, 75%, 64%
HSV	174°, 59%, 91%
XYZ	46.3417, 65.2620, 76.4713
YIQ	189.7400, -76.5620, -33.1860

Conversions

Conversions Part 2

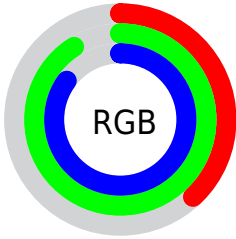
Format	Color
RYB	96, 168, 232
Decimal	6351066
CIELab	84.62, -40.17, -4.30
CIELCh	85, 40.397, 186.106
Yxy	65.2620, 0.2464, 0.3470
Android (android.graphics.Color)	4284541146 (0xFF60E8DA)
YUV	189.7400, 13.9322, -82.2100
Hunter-Lab	80.7849, -38.9784, 0.4253

Details

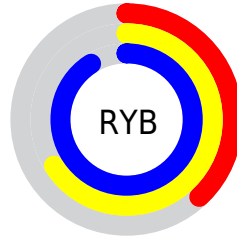
The Yxy color **65.2620, 0.2464, 0.3470** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **26.6696, 0.4753, 0.3146**, and the grayscale version is **51.3035, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0091, 0.2596, 0.3288**, and **33.6950, 0.2310, 0.3517** is the 20% darker color. If you saturate the color by 10%, you get **64.0604, 0.2404, 0.3506**, and if you desaturate by 10%, it is **66.8418, 0.2543, 0.3435**.

Distribution



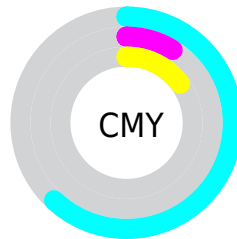
- Red (38%)
- Green (91%)
- Blue (85%)



- Red (38%)
- Yellow (66%)
- Blue (91%)



- Cyan (59%)
- Magenta (0%)
- Yellow (6%)
- Black (9%)




- Cyan (62%)
- Magenta (9%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.2620, 0.2464, 0.3470 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 65.2620, 0.2464, 0.3470 by changing the saturation by 10% instead.


 65.2620, 0.2464,
0.3470

 65.2620, 0.2464,
0.3470


443.7329, 0.2772,
0.3390


 47.6736, 0.2394,
0.3487


 112.4264, 0.2571,
0.3443


 33.5684, 0.2307,
0.3508


 142.7712, 0.2613,
0.3432

 22.5623, 0.2197,
0.3534


 178.1369, 0.2648,
0.3423

 14.2706, 0.2054,
0.3565

 218.9080, 0.2680,
0.3415

 8.3091, 0.1861,
0.3605

265.4687, 0.2707,
0.3407

 4.2934, 0.1589,
0.3654

318.2034, 0.2731,

 1.8390, 0.1131,

0.3401

377.4967, 0.2753,
0.3395

0.3731

0.5113, 0.0000,
0.3736

0.0000, 0.0000,
0.0000

65.2620, 0.2464,
0.3470

65.2620, 0.2464,
0.3470

64.0604, 0.2404,
0.3506

66.8418, 0.2543,
0.3435

63.1956, 0.2364,
0.3541


68.8218, 0.2639,
0.3402


62.6305, 0.2343,
0.3577

71.2313, 0.2750,
0.3370


62.3065, 0.2338,
0.3612

74.0945, 0.2874,
0.3340


 62.2682, 0.2338,
0.3617

 77.4339, 0.3007,
0.3312

 81.2707, 0.3147,
0.3287

 84.9531, 0.3267,
0.3264

 85.0922, 0.3252,
0.3240

 85.2330, 0.3236,
0.3217

Harmonies

Analogous

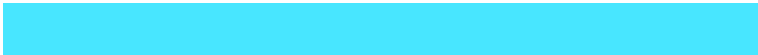
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.2620, 0.2869, 0.3942



65.2620, 0.2464, 0.3470



65.2620, 0.2242, 0.2982

Triad

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



65.2620, 0.2464, 0.3470



65.2620, 0.2830, 0.2537



65.2620, 0.4096, 0.3856

Complementary

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



65.2620, 0.2464, 0.3470



26.6696, 0.4753, 0.3146

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.



65.2620, 0.4102, 0.3471



65.2620, 0.2464, 0.3470



65.2620, 0.3335, 0.2746

Square

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



65.2620, 0.2464, 0.3470



65.2620, 0.2440, 0.2492



65.2620, 0.3815, 0.3077



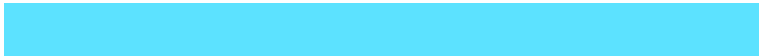
65.2620, 0.3817, 0.4138

Rectangle

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



65.2620, 0.2464, 0.3470



65.2620, 0.2213, 0.2732



65.2620, 0.3815, 0.3077



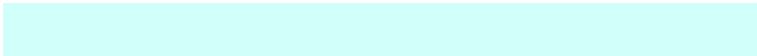
65.2620, 0.4131, 0.3734

Sweetspot

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



65.2645, 0.2464, 0.3470



92.0088, 0.2880, 0.3338



61.9996, 0.3119, 0.5136



19.4569, 0.2842, 0.3347



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.



65.2645, 0.2464, 0.3470



79.1677, 0.2396, 0.3512



40.9235, 0.2246, 0.2574



16.3094, 0.2995, 0.3314



34.5815, 0.2337, 0.3612



2.5629, 0.2322, 0.3560

Inverse Universe

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



26.6696, 0.4753, 0.3146



27.3226, 0.5284, 0.3144



39.2443, 0.4533, 0.3866



14.3920, 0.3276, 0.3266



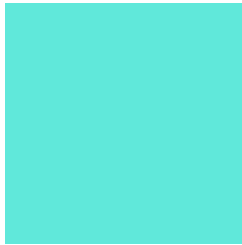
9.5692, 0.6277, 0.3231



0.7153, 0.5996, 0.3077

Previews

White Background



This preview shows how the Yxy color 65.2620, 0.2464, 0.3470 looks on a white background.

Color Contrast Check

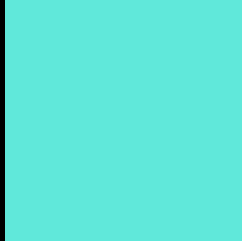
Large Text (above 18pt) WCAG AA × Fail

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 65.2620, 0.2464, 0.3470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

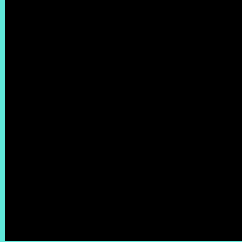
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

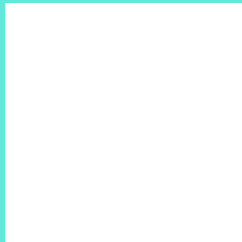
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.2620, 0.2464, 0.3470

Background



This preview shows how black text looks on a background with the Yxy color 65.2620, 0.2464, 0.3470.

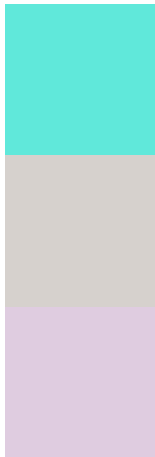


This preview shows how white text looks on a background with the Yxy color 65.2620, 0.2464, 0.3470.

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

65.2620, 0.2464, 0.3470

Protanopia

64.3048, 0.3193, 0.3336

Deuteranopia

64.2555, 0.3130, 0.3071



Tritanopia

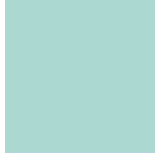
65.2664, 0.2370, 0.3067

Trichromacy



Original Color

65.2620, 0.2464, 0.3470



Protanomaly

62.9368, 0.2855, 0.3375



Deuteranomaly

62.7142, 0.2819, 0.3194



Tritanomaly

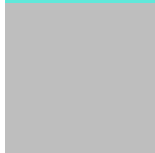
64.9783, 0.2401, 0.3200

Monochromacy



Original Color

65.2620, 0.2464, 0.3470



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

54.9007, 0.2808, 0.3354

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.2620, 0.2464, 0.3470 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(96, 232, 218)` looks like.

```
.text, #text, p{  
    color:rgb(96, 232, 218)  
}
```

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(96, 232, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 232, 218) }
```

Border

The CSS property to change the border of an element to Yxy 65.2620, 0.2464, 0.3470 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(96, 232, 218) }
```

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

```
.border{ border-color:rgb(96, 232, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 232, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 232, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 232, 218);  
box-shadow:4px 4px 4px 4px rgb(96, 232,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 65.2620, 0.2464, 0.3470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 232, 218) }
```

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

```
.background{ background-color: rgb(96, 232,  
218) }
```

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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