

Converting Colors

$Yxy(68.3598, 0.2482, 0.3534)$

Have a look what the booklet for
Yxy(68.3598, 0.2482, 0.3534)
contains.

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Color

Yxy(68.1717, 0.2480, 0.3532)

Conversions

Conversions Part 1

Format	Color
Hex	61EDDA
RGB	97, 237, 218
RGB Percent	38%, 93%, 85%
CMY	0.6197, 0.0706, 0.1450
CMYK	0.59, 0.00, 0.08, 0.07
HSL	172°, 80%, 65%
HSV	172°, 59%, 93%
XYZ	47.8669, 68.1717, 76.9730
YIQ	192.9740, -77.3410, -35.5890

Conversions

Conversions Part 2

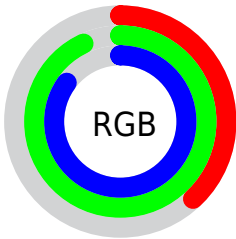
Format	Color
RYB	97, 172, 237
Decimal	6417882
CIELab	86.09, -42.25, -2.14
CIELCh	86, 42.303, 182.905
Yxy	68.1717, 0.2480, 0.3532
Android (android.graphics.Color)	4284607962 (0xFF61EDDA)
YUV	192.9740, 12.3378, -84.1692
Hunter-Lab	82.5662, -41.0072, 2.5227

Details

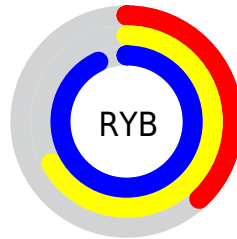
The Yxy color **68.1717, 0.2480, 0.3532** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **27.8088, 0.4716, 0.3097**, and the grayscale version is **53.2690, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2136, 0.2605, 0.3288**, and **35.2869, 0.2329, 0.3583** is the 20% darker color. If you saturate the color by 10%, you get **66.8950, 0.2424, 0.3580**, and if you desaturate by 10%, it is **69.8457, 0.2555, 0.3485**.

Distribution



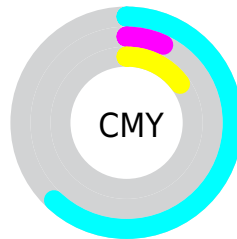
- Red (38%)
- Green (93%)
- Blue (85%)



- Red (38%)
- Yellow (67%)
- Blue (93%)



- Cyan (59%)
- Magenta (0%)
- Yellow (8%)
- Black (7%)




- Cyan (62%)
- Magenta (7%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.1717, 0.2480, 0.3532 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 68.1717, 0.2480, 0.3532 by changing the saturation by 10% instead.

 68.1717, 0.2480,
0.3532

 68.1717, 0.2480,
0.3532


454.1041, 0.2779,
0.3422


 50.0374, 0.2412,
0.3557


 116.5977, 0.2584,
0.3494

 35.4431, 0.2328,
0.3587


 147.6583, 0.2624,
0.3479

 24.0044, 0.2222,
0.3624


 183.7964, 0.2659,
0.3467

 15.3369, 0.2085,
0.3672

 225.3965, 0.2689,
0.3455

 9.0562, 0.1900,
0.3735

272.8429, 0.2716,
0.3445

 4.7778, 0.1639,
0.3821

326.5200, 0.2740,

 2.1175, 0.1234,

0.3437

0.3948

386.8123, 0.2761,
0.3429

0.6744, 0.0000,
0.4327

0.0000, 0.0000,
0.0000

68.1717, 0.2480,
0.3532

68.1717, 0.2480,
0.3532

66.8950, 0.2424,
0.3580

69.8457, 0.2555,
0.3485

65.9718, 0.2387,
0.3628


71.9405, 0.2648,
0.3440

65.3623, 0.2370,
0.3676

74.4869, 0.2755,
0.3398


65.0014, 0.2369,
0.3723

77.5107, 0.2875,
0.3358

 64.9733, 0.2369,
0.3728

 81.0359, 0.3004,
0.3321

 85.0845, 0.3140,
0.3287

 88.1541, 0.3226,
0.3256

 88.3474, 0.3205,
0.3225

 88.5441, 0.3185,
0.3194

Harmonies

Analogous

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



68.1717, 0.2912, 0.4007



68.1717, 0.2480, 0.3532



68.1717, 0.2230, 0.3019

Triad

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



68.1717, 0.2480, 0.3532



68.1717, 0.2770, 0.2502



68.1717, 0.4142, 0.3832

Complementary

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



68.1717, 0.2480, 0.3532



27.8088, 0.4716, 0.3097

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.



68.1717, 0.4115, 0.3430



68.1717, 0.2480, 0.3532



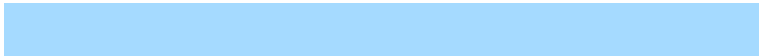
68.1717, 0.3284, 0.2701

Square

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



68.1717, 0.2480, 0.3532



68.1717, 0.2387, 0.2475



68.1717, 0.3791, 0.3029



68.1717, 0.3879, 0.4142

Rectangle

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



68.1717, 0.2480, 0.3532



68.1717, 0.2184, 0.2749



68.1717, 0.3791, 0.3029



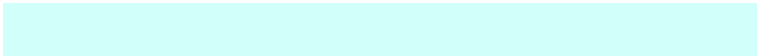
68.1717, 0.4168, 0.3703

Sweetspot

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



68.1743, 0.2480, 0.3532



91.9154, 0.2888, 0.3354



65.2842, 0.3143, 0.5141



19.4338, 0.2851, 0.3365



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.



68.1743, 0.2480, 0.3532



78.7120, 0.2414, 0.3590



44.6176, 0.2253, 0.2632



17.0847, 0.2999, 0.3322



35.4852, 0.2367, 0.3720



2.7962, 0.2348, 0.3654

Inverse Universe

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



27.8088, 0.4716, 0.3097



27.0423, 0.5251, 0.3093



39.4198, 0.4589, 0.3820



15.0873, 0.3272, 0.3258



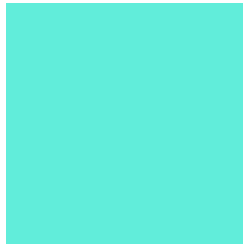
9.8981, 0.6220, 0.3200



0.7878, 0.5902, 0.3025

Previews

White Background



This preview shows how the Yxy color 68.1717, 0.2480, 0.3532 looks on a white background.

Color Contrast Check

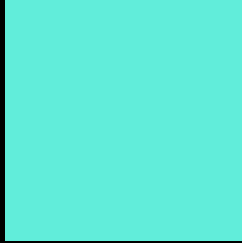
Large Text (above 18pt) WCAG AA × Fail

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 68.1717, 0.2480, 0.3532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

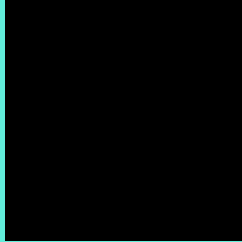
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.1717, 0.2480, 0.3532

Background



This preview shows how black text looks on a background with the Yxy color 68.1717, 0.2480, 0.3532.

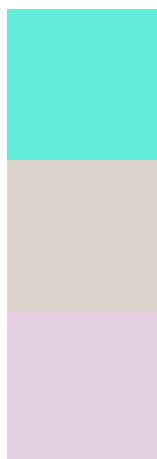


This preview shows how white text looks on a background with the Yxy color 68.1717, 0.2480, 0.3532.

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

68.1717, 0.2480, 0.3532

Protanopia

67.1638, 0.3242, 0.3391

Deuteranopia

66.8305, 0.3181, 0.3108



Tritanopia

67.9933, 0.2371, 0.3059

Trichromacy



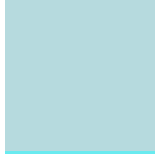
Original Color

68.1717, 0.2480, 0.3532



Protanomaly

65.9600, 0.2890, 0.3446



Deuteranomaly

65.3618, 0.2855, 0.3242



Tritanomaly

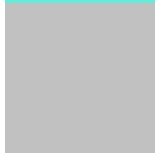
68.0809, 0.2409, 0.3226

Monochromacy



Original Color

68.1717, 0.2480, 0.3532



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

57.1343, 0.2813, 0.3379

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.1717, 0.2480, 0.3532 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(97, 237, 218)` looks like.

```
.text, #text, p{  
    color:rgb(97, 237, 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(97, 237, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 237, 218) }
```

Border

The CSS property to change the border of an element to Yxy 68.1717, 0.2480, 0.3532 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(97, 237, 218) }
```

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

```
.border{ border-color:rgb(97, 237, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 237, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 237, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 237, 218);  
box-shadow:4px 4px 4px 4px rgb(97, 237,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 68.1717, 0.2480, 0.3532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 237, 218) }
```

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

```
.background{ background-color: rgb(97, 237,  
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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