

Converting Colors

$Y_{xy}(65.2814, 0.2245, 0.2980)$

Have a look what the booklet for
Yxy(65.2814, 0.2245, 0.2980)
contains.

Yxy(65.2695, 0.2245, 0.2980)	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(65.2695, 0.2245, 0.2980)

Conversions

Conversions Part 1

Format	Color
Hex	4AE6FF
RGB	74, 230, 255
RGB Percent	29%, 90%, 100%
CMY	0.7094, 0.0980, 0.0001
CMYK	0.71, 0.10, 0.00, 0.00
HSL	188°, 100%, 65%
HSV	188°, 71%, 100%
XYZ	49.1712, 65.2695, 104.5845
YIQ	186.2060, -101.0010, -25.2970

Conversions

Conversions Part 2

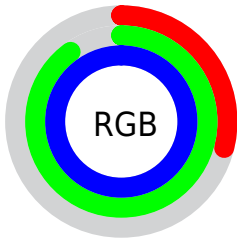
Format	Color
RYB	74, 158, 255
Decimal	4908799
CIELab	84.62, -32.33, -23.85
CIELCh	85, 40.175, 216.409
Yxy	65.2695, 0.2245, 0.2980
Android (android.graphics.Color)	4283098879 (0xFF4AE6FF)
YUV	186.2060, 33.9154, -98.4047
Hunter-Lab	80.7895, -32.7408, -20.2000

Details

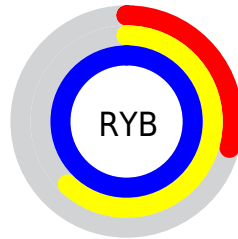
The Yxy color **65.2695, 0.2245, 0.2980** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **30.6846, 0.5360, 0.3504**, and the grayscale version is **49.0880, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7597, 0.2541, 0.3288**, and **34.3493, 0.2139, 0.2901** is the 20% darker color. If you saturate the color by 10%, you get **62.5162, 0.2185, 0.2931**, and if you desaturate by 10%, it is **68.4770, 0.2324, 0.3029**.

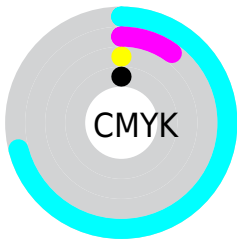
Distribution



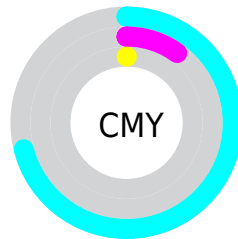
- Red (29%)
- Green (90%)
- Blue (100%)



- Red (29%)
- Yellow (62%)
- Blue (100%)



- Cyan (71%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)




- Cyan (71%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.2695, 0.2245, 0.2980 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 65.2695, 0.2245, 0.2980 by changing the saturation by 10% instead.


 65.2695, 0.2245,
0.2980


 65.2695, 0.2245,
0.2980


443.7598, 0.2645,
0.3139


 47.6796, 0.2157,
0.2941


 112.4372, 0.2381,
0.3038


 33.5733, 0.2049,
0.2890


 142.7839, 0.2435,
0.3059

 22.5660, 0.1917,
0.2824


 178.1516, 0.2482,
0.3078

 14.2733, 0.1749,
0.2735

 218.9248, 0.2523,
0.3094

 8.3110, 0.1532,
0.2608

265.4878, 0.2558,
0.3107

 4.2946, 0.1245,
0.2417

318.2250, 0.2590,

 1.8397, 0.0860,

0.3119

0.2111

377.5209, 0.2619,
0.3129

■ 0.5117, 0.0000,
0.1521

■ 0.0000, 0.0000,
0.0000

■ 65.2695, 0.2245,
0.2980

■ 65.2695, 0.2245,
0.2980

■ 62.5162, 0.2185,
0.2931

■ 68.4770, 0.2324,
0.3029

■ 60.1568, 0.2145,
0.2882

■ 72.1760, 0.2423,
0.3078

■ 58.2857, 0.2122,
0.2838

■ 76.4074, 0.2538,
0.3125

■ 81.2060, 0.2668,
0.3170

■ 86.6033, 0.2809,
0.3212

■ 92.6283, 0.2958,
0.3251

■ 99.3082, 0.3112,
0.3287

■ 99.9978, 0.3127,
0.3290

Harmonies

Analogous

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



65.2695, 0.2464, 0.3464



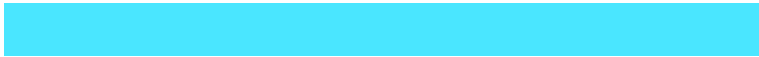
65.2695, 0.2245, 0.2980



65.2695, 0.2240, 0.2640

Triad

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



65.2695, 0.2245, 0.2980



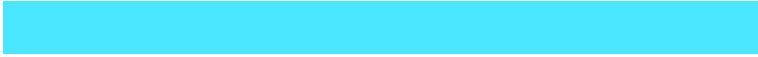
65.2695, 0.3340, 0.2752



65.2695, 0.3810, 0.4135

Complementary

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



65.2695, 0.2245, 0.2980



30.6846, 0.5360, 0.3504

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.



65.2695, 0.4089, 0.3857



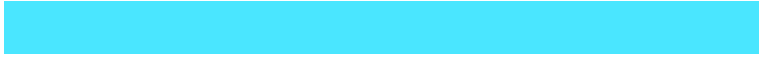
65.2695, 0.2245, 0.2980



65.2695, 0.3815, 0.3082

Square

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



65.2695, 0.2245, 0.2980



65.2695, 0.2837, 0.2542



65.2695, 0.4098, 0.3475



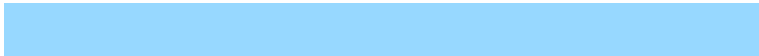
65.2695, 0.3358, 0.4187

Rectangle

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



65.2695, 0.2245, 0.2980



65.2695, 0.2355, 0.2522



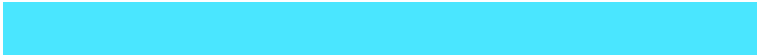
65.2695, 0.4098, 0.3475



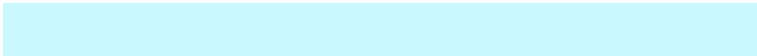
65.2695, 0.3928, 0.4062

Sweetspot

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



65.2719, 0.2245, 0.2980



86.5944, 0.2808, 0.3212



73.8439, 0.2949, 0.5337



18.2027, 0.2768, 0.3200



0.0000, 0.0000, 0.0000



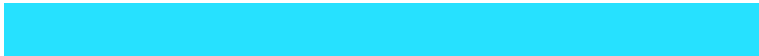
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.2719, 0.2245, 0.2980



61.5321, 0.2167, 0.2911



27.5553, 0.1941, 0.1764



20.0286, 0.2980, 0.3256



30.6297, 0.2124, 0.2846



3.0950, 0.2139, 0.2901

Inverse Universe

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



31.8773, 0.3454, 0.1900



28.1030, 0.3528, 0.1785



57.9929, 0.4553, 0.4358



18.2547, 0.3159, 0.3088



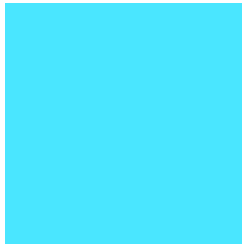
13.8201, 0.3593, 0.1753



1.3570, 0.3542, 0.1725

Previews

White Background



This preview shows how the Yxy color 65.2695, 0.2245, 0.2980 looks on a white background.

Color Contrast Check

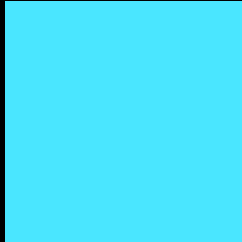
Large Text (above 18pt) WCAG AA × Fail

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 65.2695, 0.2245, 0.2980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

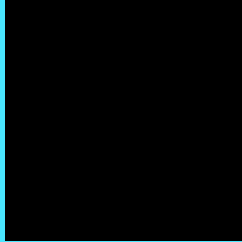
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.2695, 0.2245, 0.2980

Background



This preview shows how black text looks on a background with the Yxy color 65.2695, 0.2245, 0.2980.



This preview shows how white text looks on a background with the Yxy color 65.2695, 0.2245, 0.2980.

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

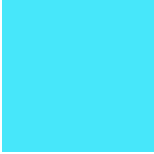
65.2695, 0.2245, 0.2980

Protanopia

64.2404, 0.2886, 0.2934

Deuteranopia

64.3417, 0.2800, 0.2759



Tritanopia

65.3935, 0.2260, 0.3051

Trichromacy



Original Color

65.2695, 0.2245, 0.2980



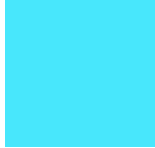
Protanomaly

62.8724, 0.2574, 0.2946



Deuteranomaly

62.9890, 0.2522, 0.2824



Tritanomaly

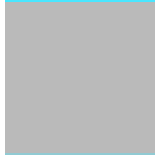
65.5578, 0.2254, 0.3027

Monochromacy



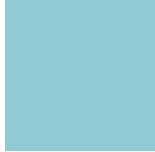
Original Color

65.2695, 0.2245, 0.2980



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

52.9640, 0.2668, 0.3171

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.2695, 0.2245, 0.2980 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(74, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(74, 230, 255)  
}
```

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(74, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 230, 255) }
```

Border

The CSS property to change the border of an element to Yxy 65.2695, 0.2245, 0.2980 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(74, 230, 255) }
```

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

```
.border{ border-color:rgb(74, 230, 255) }
```

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

Here you see how a box with a 4 pixel rgb(74, 230, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(74, 230,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 65.2695, 0.2245, 0.2980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 230, 255) }
```

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

```
.background{ background-color: rgb(74, 230,  
255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor