

Converting Colors

$Yxy(61.8375, 0.2292, 0.3023)$

Have a look what the booklet for
Yxy(61.8375, 0.2292, 0.3023)
contains.

Yxy(61.8352, 0.2292, 0.3023)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(61.8352, 0.2292, 0.3023)

Conversions

Conversions Part 1

Format	Color
Hex	55E0F5
RGB	85, 224, 245
RGB Percent	33%, 88%, 96%
CMY	0.6665, 0.1216, 0.0393
CMYK	0.65, 0.09, 0.00, 0.04
HSL	188°, 89%, 65%
HSV	188°, 65%, 96%
XYZ	46.8827, 61.8352, 95.8313
YIQ	184.8330, -89.5850, -22.9370

Conversions

Conversions Part 2

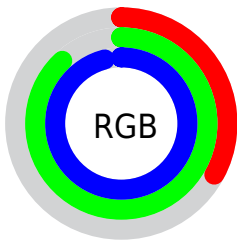
Format	Color
R _Y B	85, 159, 245
Decimal	5628149
CIE Lab	82.83, -30.91, -21.28
CIE LCh	83, 37.529, 214.538
Yxy	61.8352, 0.2292, 0.3023
Android (android.graphics.Color)	4283818229 (0xFF55E0F5)
YUV	184.8330, 29.6623, -87.5535
Hunter-Lab	78.6354, -31.1896, -17.2107

Details

The Yxy color **61.8352, 0.2292, 0.3023** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **30.3763, 0.5112, 0.3494**, and the grayscale version is **48.2941, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3193, 0.2566, 0.3288**, and **31.6794, 0.2149, 0.2936** is the 20% darker color. If you saturate the color by 10%, you get **59.1713, 0.2222, 0.2976**, and if you desaturate by 10%, it is **64.9331, 0.2381, 0.3069**.

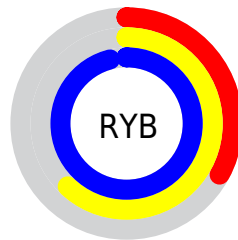
Distribution



Red (33%)

Green (88%)

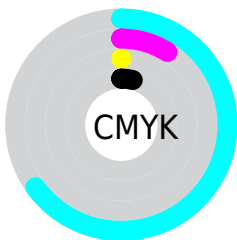
Blue (96%)



Red (33%)

Yellow (62%)

Blue (96%)

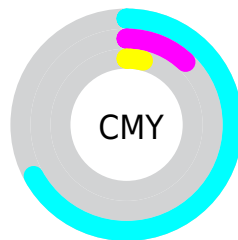


Cyan (65%)

Magenta (9%)

Yellow (0%)

Black (4%)



Cyan (67%)


Magenta (12%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.8352, 0.2292, 0.3023 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 61.8352, 0.2292, 0.3023 by changing the saturation by 10% instead.

 61.8352, 0.2292,
0.3023

 61.8352, 0.2292,
0.3023

431.3297, 0.2676,
0.3162


 44.8996, 0.2206,
0.2988


 107.4873, 0.2424,
0.3074


 31.3783, 0.2101,
0.2943


 136.9726, 0.2476,
0.3093

 20.8871, 0.1969,
0.2883


 171.4098, 0.2520,
0.3109

 13.0415, 0.1802,
0.2800

 211.1834, 0.2559,
0.3123

 7.4571, 0.1582,
0.2680

256.6778, 0.2594,
0.3134

 3.7496, 0.1285,
0.2496

308.2774, 0.2624,

 1.5345, 0.0850,

0.3145

366.3666, 0.2651,
0.3154

0.2193

0.3128, 0.0000,
0.1290

0.0000, 0.0000,
0.0000

61.8352, 0.2292,
0.3023

61.8352, 0.2292,
0.3023

59.1713, 0.2222,
0.2976

64.9331, 0.2381,
0.3069

56.8913, 0.2172,
0.2930


68.4950, 0.2489,
0.3114


54.9444, 0.2139,
0.2884

72.5562, 0.2612,
0.3158


54.1047, 0.2128,
0.2862

77.1463, 0.2747,
0.3199

 82.2925, 0.2893,
0.3237

 88.0201, 0.3045,
0.3273

 94.0623, 0.3191,
0.3305

 96.0388, 0.3189,
0.3336

 98.0494, 0.3187,
0.3366

Harmonies

Analogous

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



61.8352, 0.2515, 0.3487



61.8352, 0.2292, 0.3023



61.8352, 0.2274, 0.2686

Triad

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



61.8352, 0.2292, 0.3023



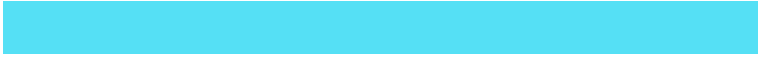
61.8352, 0.3300, 0.2759



61.8352, 0.3802, 0.4084

Complementary

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



61.8352, 0.2292, 0.3023



30.3763, 0.5112, 0.3494

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.



61.8352, 0.4052, 0.3813



61.8352, 0.2292, 0.3023



61.8352, 0.3757, 0.3071

Square

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



61.8352, 0.2292, 0.3023



61.8352, 0.2824, 0.2567



61.8352, 0.4041, 0.3445



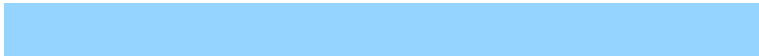
61.8352, 0.3379, 0.4146

Rectangle

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



61.8352, 0.2292, 0.3023



61.8352, 0.2376, 0.2564



61.8352, 0.4041, 0.3445



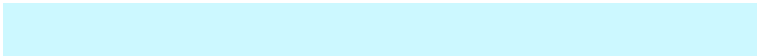
61.8352, 0.3910, 0.4012

Sweetspot

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



61.8375, 0.2292, 0.3023



87.3841, 0.2823, 0.3219



68.2177, 0.2963, 0.5198



18.3683, 0.2782, 0.3208



0.0000, 0.0000, 0.0000



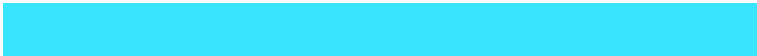
21.4041, 0.3127, 0.3290

Same Dimension

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



61.8375, 0.2292, 0.3023



64.0559, 0.2206, 0.2963



29.1904, 0.2035, 0.1944



18.3653, 0.2981, 0.3258



29.3001, 0.2131, 0.2870



2.6762, 0.2147, 0.2927

Inverse Universe

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



31.2940, 0.3411, 0.1964



29.7505, 0.3476, 0.1821



54.2084, 0.4450, 0.4280



16.7287, 0.3158, 0.3087



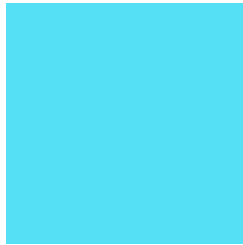
13.0572, 0.3571, 0.1741



1.1578, 0.3519, 0.1712

Previews

White Background



This preview shows how the Yxy color 61.8352, 0.2292, 0.3023 looks on a white background.

Color Contrast Check

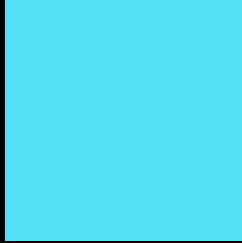
Large Text (above 18pt) WCAG AA × Fail

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 61.8352, 0.2292, 0.3023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

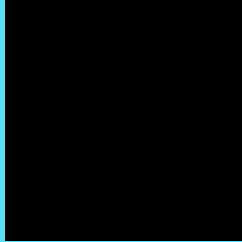
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 61.8352, 0.2292, 0.3023

Background



This preview shows how black text looks on a background with the Yxy color 61.8352, 0.2292, 0.3023.



This preview shows how white text looks on a background with the Yxy color 61.8352, 0.2292, 0.3023.

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

61.8352, 0.2292, 0.3023

Protanopia

60.7608, 0.2914, 0.2970

Deuteranopia

60.7672, 0.2806, 0.2738



Tritanopia

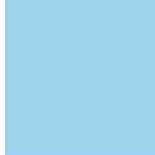
61.6672, 0.2297, 0.3047

Trichromacy



Original Color

61.8352, 0.2292, 0.3023



Protanomaly

59.9138, 0.2619, 0.2987



Deuteranomaly

59.7492, 0.2558, 0.2828



Tritanomaly

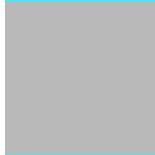
61.7278, 0.2293, 0.3035

Monochromacy



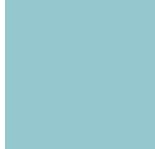
Original Color

61.8352, 0.2292, 0.3023



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

51.7414, 0.2712, 0.3184

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.8352, 0.2292, 0.3023 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(85, 224, 245)` looks like.

```
.text, #text, p{  
    color:rgb(85, 224, 245)  
}
```

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(85, 224, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 224, 245) }
```

Border

The CSS property to change the border of an element to Yxy 61.8352, 0.2292, 0.3023 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(85, 224, 245) }
```

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

```
.border{ border-color:rgb(85, 224, 245) }
```

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

Here you see how a box with a 4 pixel rgb(85, 224, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 224, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 224, 245);  
box-shadow:4px 4px 4px 4px rgb(85, 224,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 61.8352, 0.2292, 0.3023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 224, 245) }
```

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

```
.background{ background-color: rgb(85, 224,  
245) }
```

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