

Converting Colors

$Yxy(63.8526, 0.2284, 0.3139)$

Have a look what the booklet for
Yxy(63.8526, 0.2284, 0.3139)
contains.

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Color

Yxy(63.6547, 0.2283, 0.3135)

Conversions

Conversions Part 1

Format	Color
Hex	45E5F1
RGB	69, 229, 241
RGB Percent	27%, 90%, 95%
CMY	0.7287, 0.1020, 0.0550
CMYK	0.71, 0.05, 0.00, 0.06
HSL	184°, 86%, 61%
HSV	184°, 71%, 94%
XYZ	46.3552, 63.6547, 93.0354
YIQ	182.5280, -99.2120, -30.1880

Conversions

Conversions Part 2

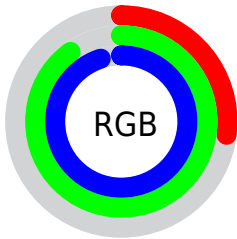
Format	Color
R _{YB}	69, 152, 241
Decimal	4580849
CIE _{Lab}	83.79, -36.54, -17.74
CIE _{LCh}	84, 40.618, 205.896
Y _{xy}	63.6547, 0.2283, 0.3135
Android (android.graphics.Color)	4282770929 (0xFF45E5F1)
YUV	182.5280, 28.8267, -99.5641
Hunter-Lab	79.7839, -35.9115, -13.2889

Details

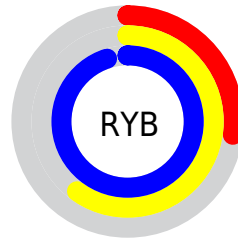
The Yxy color **63.6547, 0.2283, 0.3135** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **25.0334, 0.5468, 0.3397**, and the grayscale version is **46.9887, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3154, 0.2520, 0.3288**, and **33.3899, 0.2191, 0.3086** is the 20% darker color. If you saturate the color by 10%, you get **62.0204, 0.2233, 0.3111**, and if you desaturate by 10%, it is **65.6605, 0.2353, 0.3159**.

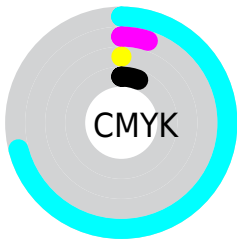
Distribution



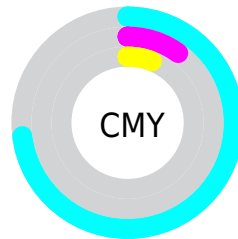
- Red (27%)
- Green (90%)
- Blue (95%)



- Red (27%)
- Yellow (60%)
- Blue (95%)



- Cyan (71%)
- Magenta (5%)
- Yellow (0%)
- Black (6%)




- Cyan (73%)
- Magenta (10%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.6547, 0.2283, 0.3135 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 63.6547, 0.2283, 0.3135 by changing the saturation by 10% instead.


 63.6547, 0.2283,
0.3135

 63.6547, 0.2283,
0.3135

437.9416, 0.2669,
0.3221


 46.3711, 0.2197,
0.3112

 110.1135, 0.2416,
0.3168

 32.5387, 0.2091,
0.3081


 140.0574, 0.2468,
0.3180

 21.7733, 0.1959,
0.3040


 174.9903, 0.2513,
0.3190

 13.6904, 0.1791,
0.2981

 215.2964, 0.2552,
0.3198

 7.9057, 0.1571,
0.2894

261.3602, 0.2587,
0.3205

 4.0346, 0.1275,
0.2752

313.5661, 0.2617,

 1.6930, 0.0829,

0.3211

372.2984, 0.2645,
0.3217

0.2511

0.4191, 0.0000,
0.1809

0.0000, 0.0000,
0.0000

63.6547, 0.2283,
0.3135

63.6547, 0.2283,
0.3135

62.0204, 0.2233,
0.3111

65.6605, 0.2353,
0.3159

60.7042, 0.2201,
0.3088

68.0694, 0.2441,
0.3183


59.7549, 0.2185,
0.3067


70.9172, 0.2548,
0.3206


74.2342, 0.2671,
0.3228

 78.0476, 0.2807,
0.3250

 82.3827, 0.2953,
0.3269

 87.2631, 0.3107,
0.3288

 91.3688, 0.3219,
0.3304

 92.3753, 0.3217,
0.3321

Harmonies

Analogous

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



63.6547, 0.2577, 0.3648



63.6547, 0.2283, 0.3135



63.6547, 0.2201, 0.2727

Triad

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



63.6547, 0.2283, 0.3135



63.6547, 0.3158, 0.2651



63.6547, 0.3948, 0.4071

Complementary

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



63.6547, 0.2283, 0.3135



25.0334, 0.5468, 0.3397

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.



63.6547, 0.4146, 0.3736



63.6547, 0.2283, 0.3135



63.6547, 0.3673, 0.2950

Square

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



63.6547, 0.2283, 0.3135



63.6547, 0.2674, 0.2492



63.6547, 0.4047, 0.3334



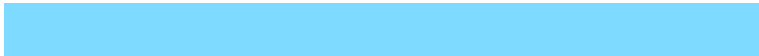
63.6547, 0.3535, 0.4220

Rectangle

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



63.6547, 0.2283, 0.3135



63.6547, 0.2268, 0.2559



63.6547, 0.4047, 0.3334



63.6547, 0.4043, 0.3973

Sweetspot

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



63.6571, 0.2283, 0.3135



88.8623, 0.2810, 0.3250



64.7511, 0.2986, 0.5465



18.7498, 0.2771, 0.3244



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.



63.6571, 0.2283, 0.3135



69.7445, 0.2215, 0.3099



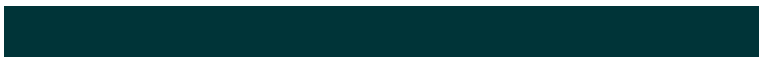
27.4516, 0.1980, 0.1924



17.7293, 0.2981, 0.3273



32.4967, 0.2187, 0.3071



2.7596, 0.2195, 0.3102

Inverse Universe

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



28.6297, 0.3324, 0.1811



28.7782, 0.3364, 0.1682



46.5901, 0.4659, 0.4250



16.0113, 0.3149, 0.3073



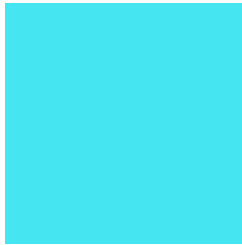
13.0739, 0.3392, 0.1642



1.0933, 0.3365, 0.1628

Previews

White Background



This preview shows how the Yxy color 63.6547, 0.2283, 0.3135 looks on a white background.

Color Contrast Check

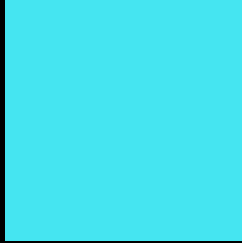
Large Text (above 18pt) WCAG AA × Fail

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 63.6547, 0.2283, 0.3135 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 63.6547, 0.2283, 0.3135

Background



This preview shows how black text looks on a background with the Yxy color 63.6547, 0.2283, 0.3135.



This preview shows how white text looks on a background with the Yxy color 63.6547, 0.2283, 0.3135.

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

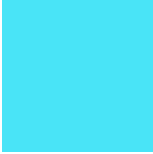
63.6547, 0.2283, 0.3135

Protanopia

62.6127, 0.2983, 0.3063

Deuteranopia

62.3664, 0.2867, 0.2797



Tritanopia

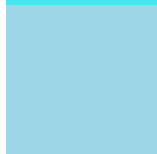
63.6187, 0.2266, 0.3049

Trichromacy



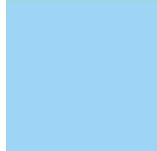
Original Color

63.6547, 0.2283, 0.3135



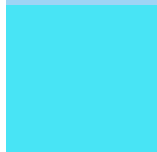
Protanomaly

60.9306, 0.2639, 0.3082



Deuteranomaly

60.9486, 0.2573, 0.2897



Tritanomaly

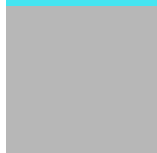
63.4571, 0.2271, 0.3073

Monochromacy



Original Color

63.6547, 0.2283, 0.3135



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

51.4190, 0.2687, 0.3235

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.6547, 0.2283, 0.3135 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(69, 229, 241)` looks like.

```
.text, #text, p{  
    color:rgb(69, 229, 241)  
}
```

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(69, 229, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 229, 241) }
```

Border

The CSS property to change the border of an element to Yxy 63.6547, 0.2283, 0.3135 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(69, 229, 241) }
```

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

```
.border{ border-color:rgb(69, 229, 241) }
```

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

Here you see how a box with a 4 pixel rgb(69, 229, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 229, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 229, 241);  
box-shadow:4px 4px 4px 4px rgb(69, 229,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 63.6547, 0.2283, 0.3135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 229, 241) }
```

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

```
.background{ background-color: rgb(69, 229,  
241) }
```

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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