

Converting Colors

$Y_{xy}(63.2380, 0.2505, 0.3059)$

Have a look what the booklet for
Yxy(63.2380, 0.2505, 0.3059)
contains.

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Color

Yxy(63.3225, 0.2506, 0.3057)

Conversions

Conversions Part 1

Format	Color
Hex	89DDF0
RGB	137, 221, 240
RGB Percent	54%, 87%, 94%
CMY	0.4624, 0.1334, 0.0589
CMYK	0.43, 0.08, 0.00, 0.06
HSL	191°, 77%, 74%
HSV	191°, 43%, 94%
XYZ	51.9091, 63.3225, 91.9077
YIQ	198.0500, -56.1630, -11.8990

Conversions

Conversions Part 2

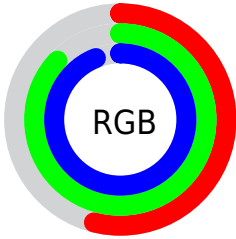
Format	Color
R _{YB}	137, 183, 240
Decimal	9035248
CIE _{Lab}	83.61, -20.66, -17.27
CIE _{LCh}	84, 26.928, 219.891
Y _{xy}	63.3225, 0.2506, 0.3057
Android (android.graphics.Color)	4287225328 (0xFF89DDF0)
YUV	198.0500, 20.6813, -53.5409
Hunter-Lab	79.5754, -22.8168, -12.7757

Details

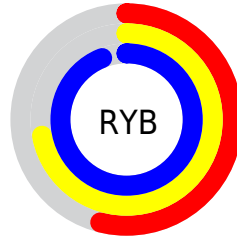
The Yxy color **63.3225, 0.2506, 0.3057** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.1339, 0.4157, 0.3504**, and the grayscale version is **56.4140, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3421, 0.2778, 0.3289**, and **32.3954, 0.2359, 0.2995** is the 20% darker color. If you saturate the color by 10%, you get **59.2080, 0.2388, 0.2993**, and if you desaturate by 10%, it is **67.9547, 0.2637, 0.3118**.

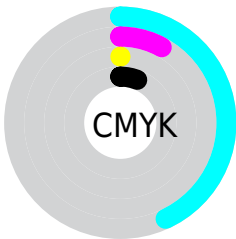
Distribution



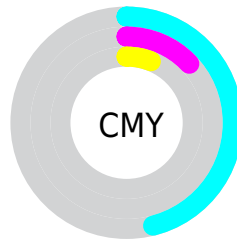
- Red (54%)
- Green (87%)
- Blue (94%)



- Red (54%)
- Yellow (72%)
- Blue (94%)



- Cyan (43%)
- Magenta (8%)
- Yellow (0%)
- Black (6%)





- Cyan (46%)
- Magenta (13%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.3225, 0.2506, 0.3057 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 63.3225, 0.2506, 0.3057 by changing the saturation by 10% instead.


 63.3225, 0.2506,
0.3057

 63.3225, 0.2506,
0.3057


436.7390, 0.2794,
0.3174

 46.1022, 0.2441,
0.3028


 109.6346, 0.2606,
0.3099

 32.3264, 0.2360,
0.2992


 139.4952, 0.2644,
0.3115

 21.6110, 0.2259,
0.2944


174.3380, 0.2678,
0.3129

 13.5713, 0.2127,
0.2878

214.5474, 0.2707,
0.3140

 7.8231, 0.1951,
0.2785

260.5078, 0.2732,
0.3150

 3.9820, 0.1705,
0.2641

312.6036, 0.2755,

 1.6635, 0.1342,

0.3159

0.2399

371.2192, 0.2775,
0.3167

0.3998, 0.0000,
0.1806

0.0000, 0.0000,
0.0000

63.3225, 0.2506,
0.3057

63.3225, 0.2506,
0.3057

59.2080, 0.2388,
0.2993

67.9547, 0.2637,
0.3118

55.5730, 0.2287,
0.2927


73.1252, 0.2779,
0.3175


52.3858, 0.2205,
0.2860


78.8621, 0.2929,
0.3228

49.6066, 0.2143,
0.2792


85.1893, 0.3083,
0.3277


 47.1874, 0.2099,
0.2725

 91.7325, 0.3224,
0.3321

 45.6314, 0.2077,
0.2678

 94.4173, 0.3220,
0.3364

 97.1665, 0.3217,
0.3406

 99.0701, 0.3215,
0.3435

Harmonies

Analogous

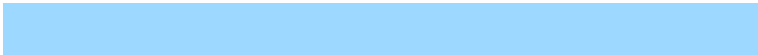
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.3225, 0.2648, 0.3374



63.3225, 0.2506, 0.3057



63.3225, 0.2519, 0.2829

Triad

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



63.3225, 0.2506, 0.3057



63.3225, 0.3316, 0.2939



63.3225, 0.3569, 0.3879

Complementary

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



63.3225, 0.2506, 0.3057



44.1339, 0.4157, 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.



63.3225, 0.3769, 0.3720



63.3225, 0.2506, 0.3057



63.3225, 0.3622, 0.3184

Square

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



63.3225, 0.2506, 0.3057



63.3225, 0.2971, 0.2777



63.3225, 0.3791, 0.3464



63.3225, 0.3255, 0.3874

Rectangle

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



63.3225, 0.2506, 0.3057



63.3225, 0.2613, 0.2751



63.3225, 0.3791, 0.3464



63.3225, 0.3652, 0.3841

Sweetspot

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



63.3249, 0.2506, 0.3057



90.4046, 0.2926, 0.3227



70.0331, 0.2968, 0.4378



19.0264, 0.2893, 0.3216



0.0000, 0.0000, 0.0000



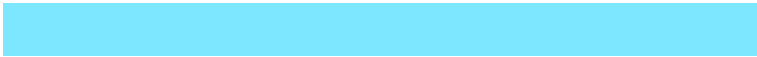
21.4041, 0.3127, 0.3290

Same Dimension

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



63.3249, 0.2506, 0.3057



68.7280, 0.2407, 0.3004



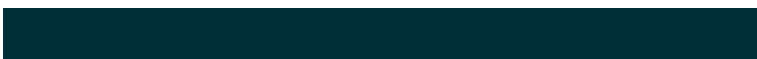
40.2430, 0.2393, 0.2386



17.4039, 0.2981, 0.3245



25.1666, 0.2080, 0.2689



2.2208, 0.2105, 0.2777

Inverse Universe

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



41.6591, 0.3349, 0.2408



41.6841, 0.3405, 0.2253



65.1494, 0.3905, 0.4047



15.9784, 0.3166, 0.3100



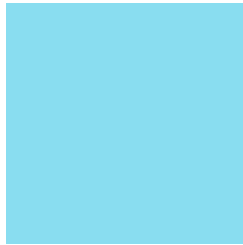
12.3339, 0.3739, 0.1833



1.0389, 0.3656, 0.1788

Previews

White Background



This preview shows how the Yxy color 63.3225, 0.2506, 0.3057 looks on a white background.

Color Contrast Check

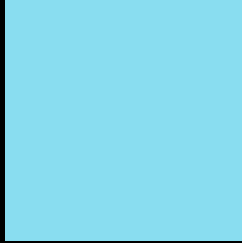
Large Text (above 18pt) WCAG AA × Fail

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 63.3225, 0.2506, 0.3057 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 63.3225, 0.2506, 0.3057

Background



This preview shows how black text looks on a background with the Yxy color 63.3225, 0.2506, 0.3057.

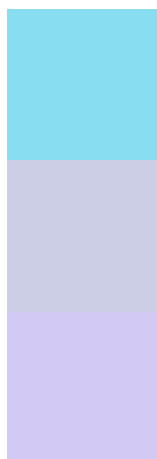


This preview shows how white text looks on a background with the Yxy color 63.3225, 0.2506, 0.3057.

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

63.3225, 0.2506, 0.3057

Protanopia

62.6932, 0.2949, 0.3019

Deuteranopia

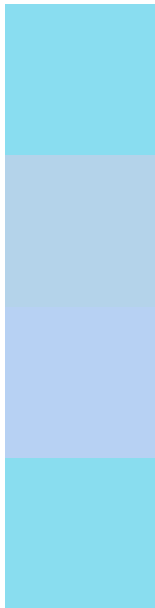
62.4744, 0.2900, 0.2830



Tritanopia

63.2633, 0.2510, 0.3069

Trichromacy



Original Color

63.3225, 0.2506, 0.3057

Protanomaly

62.2323, 0.2765, 0.3020

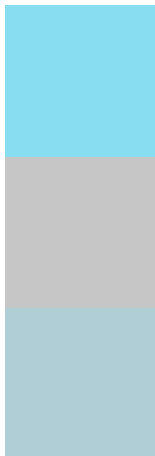
Deuteranomaly

62.1393, 0.2729, 0.2899

Tritanomaly

63.2633, 0.2510, 0.3069

Monochromacy



Original Color

63.3225, 0.2506, 0.3057

Achromatopsia

56.4712, 0.3127, 0.3290

Achromatomaly

58.1768, 0.2863, 0.3204

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.3225, 0.2506, 0.3057 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(137, 221, 240)` looks like.

```
.text, #text, p{  
    color:rgb(137, 221, 240)  
}
```

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(137, 221, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 221, 240) }
```

Border

The CSS property to change the border of an element to Yxy 63.3225, 0.2506, 0.3057 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(137, 221, 240) }
```

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

```
.border{ border-color:rgb(137, 221, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 221, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 221, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 221, 240);  
box-shadow:4px 4px 4px 4px rgb(137, 221,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 63.3225, 0.2506, 0.3057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 221, 240) }
```

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

```
.background{ background-color: rgb(137,  
221, 240) }
```

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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