

Converting Colors

$Yxy(64.7369, 0.2557, 0.3072)$

Have a look what the booklet for
Yxy(64.7369, 0.2557, 0.3072)
contains.

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Color

Yxy(64.7369, 0.2557, 0.3072)

Conversions

Conversions Part 1

Format	Color
Hex	93DEF0
RGB	147, 222, 240
RGB Percent	58%, 87%, 94%
CMY	0.4235, 0.1294, 0.0587
CMYK	0.39, 0.08, 0.00, 0.06
HSL	192°, 76%, 76%
HSV	192°, 39%, 94%
XYZ	53.8842, 64.7369, 92.1110
YIQ	201.6270, -50.4780, -10.3020

Conversions

Conversions Part 2

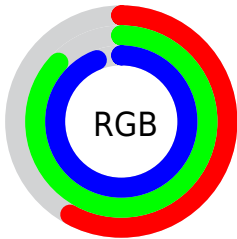
Format	Color
R _Y B	147, 189, 240
Decimal	9690864
CIE Lab	84.35, -18.71, -16.14
CIE LCh	84, 24.713, 220.774
Yxy	64.7369, 0.2557, 0.3072
Android (android.graphics.Color)	4287880944 (0xFF93DEF0)
YUV	201.6270, 18.9179, -47.9079
Hunter-Lab	80.4592, -21.2608, -11.5546

Details

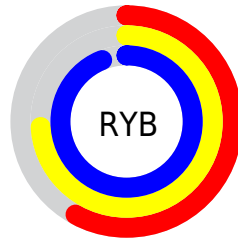
The Yxy color **64.7369, 0.2557, 0.3072** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.5541, 0.4016, 0.3493**, and the grayscale version is **58.7238, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5774, 0.2827, 0.3289**, and **33.3223, 0.2425, 0.3016** is the 20% darker color. If you saturate the color by 10%, you get **60.3109, 0.2432, 0.3006**, and if you desaturate by 10%, it is **69.6990, 0.2694, 0.3135**.

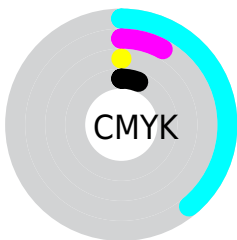
Distribution



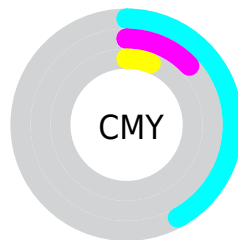
- Red (58%)
- Green (87%)
- Blue (94%)



- Red (58%)
- Yellow (74%)
- Blue (94%)



- Cyan (39%)
- Magenta (8%)
- Yellow (0%)
- Black (6%)




- Cyan (42%)
- Magenta (13%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.7369, 0.2557, 0.3072 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 64.7369, 0.2557, 0.3072 by changing the saturation by 10% instead.


 64.7369, 0.2557,
0.3072


 64.7369, 0.2557,
0.3072


441.8459, 0.2821,
0.3180

 47.2478, 0.2497,
0.3046

 111.6715, 0.2648,
0.3111

 33.2316, 0.2423,
0.3012


 141.8858, 0.2684,
0.3126

 22.3039, 0.2330,
0.2968


177.1106, 0.2714,
0.3138

 14.0804, 0.2210,
0.2909

217.7303, 0.2741,
0.3149

 8.1766, 0.2048,
0.2824

264.1292, 0.2765,
0.3158

 4.2082, 0.1820,
0.2694

316.6919, 0.2785,

 1.7907, 0.1481,

0.3167

0.2477

375.8027, 0.2804,
0.3174

■ 0.4813, 0.0003,
0.2083

■ 0.0000, 0.0000,
0.0000

■ 64.7369, 0.2557,
0.3072

■ 64.7369, 0.2557,
0.3072

■ 60.3109, 0.2432,
0.3006

■ 69.6990, 0.2694,
0.3135

■ 56.3838, 0.2323,
0.2937

■ 75.2166, 0.2840,
0.3193

■ 52.9254, 0.2232,
0.2867

■ 81.3173, 0.2992,
0.3247

■ 49.8983, 0.2159,
0.2795

■ 88.0244, 0.3146,
0.3296

■ 47.2584, 0.2107,
0.2724

■ 93.0103, 0.3222,
0.3341

■ 44.9410, 0.2072,
0.2654

■ 95.8632, 0.3218,
0.3386

■ 44.6646, 0.2068,
0.2646

■ 98.7874, 0.3215,
0.3430

■ 99.0727, 0.3214,
0.3434

Harmonies

Analogous

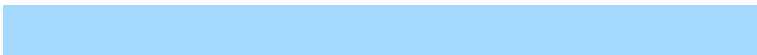
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.7369, 0.2684, 0.3358



64.7369, 0.2557, 0.3072



64.7369, 0.2573, 0.2866

Triad

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



64.7369, 0.2557, 0.3072



64.7369, 0.3309, 0.2974



64.7369, 0.3523, 0.3828

Complementary

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



64.7369, 0.2557, 0.3072



47.5541, 0.4016, 0.3493

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.



64.7369, 0.3709, 0.3690



64.7369, 0.2557, 0.3072



64.7369, 0.3585, 0.3201

Square

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



64.7369, 0.2557, 0.3072



64.7369, 0.2995, 0.2823



64.7369, 0.3733, 0.3459



64.7369, 0.3236, 0.3816

Rectangle

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



64.7369, 0.2557, 0.3072



64.7369, 0.2663, 0.2795



64.7369, 0.3733, 0.3459



64.7369, 0.3600, 0.3796

Sweetspot

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



64.7394, 0.2557, 0.3072



90.9271, 0.2941, 0.3230



71.2196, 0.2981, 0.4255



19.2638, 0.2922, 0.3223



0.0000, 0.0000, 0.0000



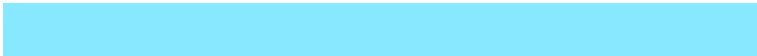
21.4041, 0.3127, 0.3290

Same Dimension

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



64.7394, 0.2557, 0.3072



69.9735, 0.2451, 0.3017



43.7261, 0.2469, 0.2488



17.3781, 0.2981, 0.3243



24.6334, 0.2072, 0.2657



2.1810, 0.2097, 0.2750

Inverse Universe

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



44.6709, 0.3331, 0.2498



44.4436, 0.3388, 0.2336



67.0093, 0.3821, 0.3976



15.9758, 0.3168, 0.3102



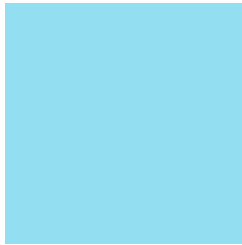
12.2801, 0.3769, 0.1850



1.0349, 0.3682, 0.1802

Previews

White Background



This preview shows how the Yxy color 64.7369, 0.2557, 0.3072 looks on a white background.

Color Contrast Check

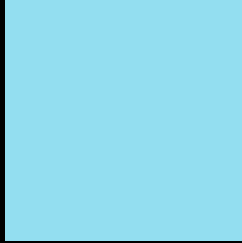
Large Text (above 18pt) WCAG AA × Fail

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 64.7369, 0.2557, 0.3072 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

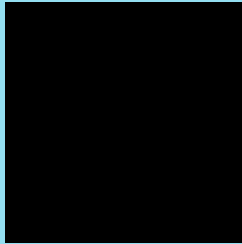
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.7369, 0.2557, 0.3072

Background



This preview shows how black text looks on a background with the Yxy color 64.7369, 0.2557, 0.3072.

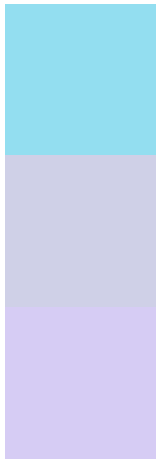


This preview shows how white text looks on a background with the Yxy color 64.7369, 0.2557, 0.3072.

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

64.7369, 0.2557, 0.3072

Protanopia

64.1467, 0.2965, 0.3032

Deuteranopia

64.0135, 0.2929, 0.2856



Tritanopia

64.7369, 0.2557, 0.3072

Trichromacy



Original Color

64.7369, 0.2557, 0.3072

Protanomaly

63.8433, 0.2799, 0.3046

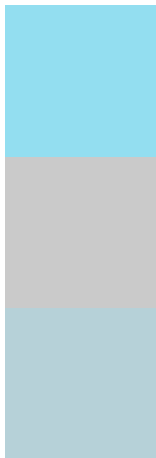
Deuteranomaly

64.0067, 0.2776, 0.2927

Tritanomaly

64.7369, 0.2557, 0.3072

Monochromacy



Original Color

64.7369, 0.2557, 0.3072

Achromatopsia

59.0619, 0.3127, 0.3290

Achromatomaly

60.5039, 0.2887, 0.3205

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.7369, 0.2557, 0.3072 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(147, 222, 240)` looks like.

```
.text, #text, p{  
    color:rgb(147, 222, 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(147, 222, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 222, 240) }
```

Border

The CSS property to change the border of an element to Yxy 64.7369, 0.2557, 0.3072 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(147, 222, 240) }
```

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

```
.border{ border-color:rgb(147, 222, 240) }
```

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

Here you see how a box with a 4 pixel rgb(147, 222, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 222, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 222, 240);  
box-shadow:4px 4px 4px 4px rgb(147, 222,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 64.7369, 0.2557, 0.3072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 222, 240) }
```

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

```
.background{ background-color: rgb(147,  
222, 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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