

Converting Colors

$Yxy(64.6357, 0.2617, 0.2976)$

Have a look what the booklet for
Yxy(64.6357, 0.2617, 0.2976)
contains.

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Color

Yxy(64.6279, 0.2616, 0.2973)

Conversions

Conversions Part 1

Format	Color
Hex	A4DAF5
RGB	164, 218, 245
RGB Percent	64%, 85%, 96%
CMY	0.3568, 0.1451, 0.0391
CMYK	0.33, 0.11, 0.00, 0.04
HSL	200°, 80%, 80%
HSV	200°, 33%, 96%
XYZ	56.8673, 64.6279, 95.8875
YIQ	204.9320, -40.8510, -3.0510

Conversions

Conversions Part 2

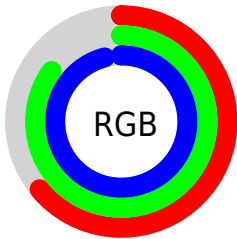
Format	Color
RYB	164, 196, 245
Decimal	10803957
CIELab	84.29, -10.97, -18.79
CIElCh	84, 21.756, 239.714
Yxy	64.6279, 0.2616, 0.2973
Android (android.graphics.Color)	4288994037 (0xFFA4DAF5)
YUV	204.9320, 19.7535, -35.8974
Hunter-Lab	80.3915, -14.4177, -14.4446

Details

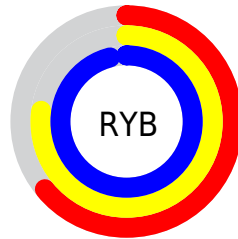
The Yxy color **64.6279, 0.2616, 0.2973** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **59.3789, 0.3804, 0.3584**, and the grayscale version is **60.8998, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **33.1197, 0.2492, 0.2887** is the 20% darker color. If you saturate the color by 10%, you get **58.1334, 0.2470, 0.2859**, and if you desaturate by 10%, it is **71.8388, 0.2769, 0.3079**.

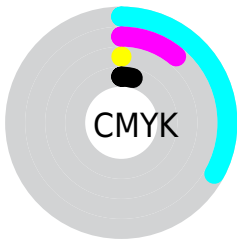
Distribution



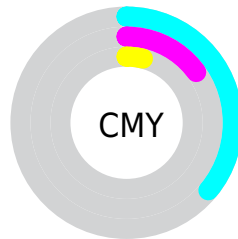
- Red (64%)
- Green (85%)
- Blue (96%)



- Red (64%)
- Yellow (77%)
- Blue (96%)



- Cyan (33%)
- Magenta (11%)
- Yellow (0%)
- Black (4%)



- Cyan (36%)
- Magenta (15%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.6279, 0.2616, 0.2973 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 64.6279, 0.2616, 0.2973 by changing the saturation by 10% instead.

■ 64.6279, 0.2616,
0.2973

■ 64.6279, 0.2616,
0.2973

■ 441.4536, 0.2853,
0.3125

■ 47.1594, 0.2562,
0.2937

■ 111.5147, 0.2698,
0.3027

■ 33.1617, 0.2495,
0.2892

■ 141.7019, 0.2730,
0.3048

■ 22.2503, 0.2411,
0.2834

■ 176.8973, 0.2758,
0.3065

■ 14.0410, 0.2302,
0.2757

■ 217.4855, 0.2782,
0.3080

■ 8.1492, 0.2155,
0.2649

■ 263.8509, 0.2803,
0.3094

■ 4.1905, 0.1947,
0.2491

■ 316.3777, 0.2821,

■ 1.7807, 0.1635,

0.3106

0.2238

375.4505, 0.2838,
0.3116

0.4751, 0.0662,
0.1712

0.0000, 0.0000,
0.0000

64.6279, 0.2616,
0.2973

64.6279, 0.2616,
0.2973

58.1334, 0.2470,
0.2859

71.8388, 0.2769,
0.3079

52.3159, 0.2334,
0.2738

79.7881, 0.2924,
0.3176

47.1428, 0.2212,
0.2612

88.5059, 0.3080,
0.3265

42.5753, 0.2108,
0.2483

96.6619, 0.3188,
0.3345

■ 38.5688, 0.2024,
0.2354

■ 99.3745, 0.3185,
0.3386

■ 35.0699, 0.1961,
0.2226

■ 32.8878, 0.1928,
0.2139

Harmonies

Analogous

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



64.6279, 0.2650, 0.3188



64.6279, 0.2616, 0.2973



64.6279, 0.2711, 0.2854

Triad

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



64.6279, 0.2616, 0.2973



64.6279, 0.3450, 0.3133



64.6279, 0.3324, 0.3773

Complementary

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



64.6279, 0.2616, 0.2973



59.3789, 0.3804, 0.3584

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.



64.6279, 0.3551, 0.3733



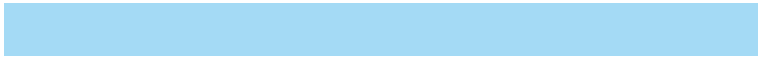
64.6279, 0.2616, 0.2973



64.6279, 0.3628, 0.3358

Square

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



64.6279, 0.2616, 0.2973



64.6279, 0.3186, 0.2950



64.6279, 0.3665, 0.3577



64.6279, 0.3051, 0.3668

Rectangle

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



64.6279, 0.2616, 0.2973



64.6279, 0.2838, 0.2838



64.6279, 0.3665, 0.3577



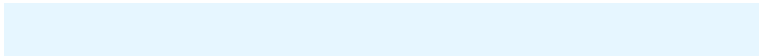
64.6279, 0.3409, 0.3775

Sweetspot

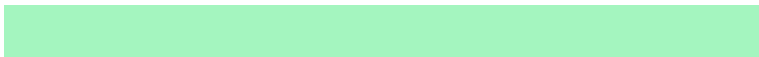
The Sweet Spot groups the original color and five complimentary colors.



64.6304, 0.2616, 0.2973



90.1717, 0.2972, 0.3204



76.9798, 0.2935, 0.3938



19.0196, 0.2950, 0.3192



0.0000, 0.0000, 0.0000



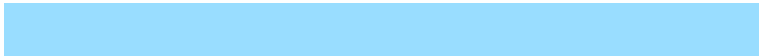
21.4041, 0.3127, 0.3290

Same Dimension

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



64.6304, 0.2616, 0.2973



65.6885, 0.2513, 0.2894



46.1356, 0.2553, 0.2473



17.7718, 0.2980, 0.3209



17.9774, 0.1933, 0.2160



1.7686, 0.1977, 0.2318

Inverse Universe

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



51.0345, 0.3393, 0.2722



49.2612, 0.3468, 0.2601



79.5467, 0.3668, 0.3992



16.6688, 0.3189, 0.3134



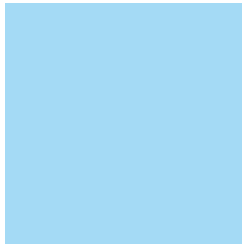
11.9142, 0.4276, 0.2129



1.0662, 0.4107, 0.2036

Previews

White Background



This preview shows how the Yxy color 64.6279, 0.2616, 0.2973 looks on a white background.

Color Contrast Check

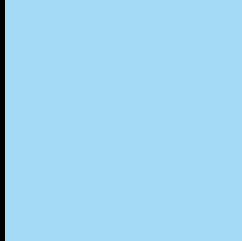
Large Text (above 18pt) WCAG AA × Fail

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 64.6279, 0.2616, 0.2973 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

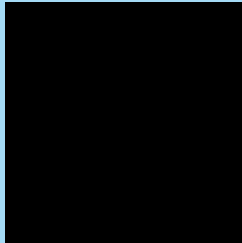
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.6279, 0.2616, 0.2973

Background



This preview shows how black text looks on a background with the Yxy color 64.6279, 0.2616, 0.2973.



This preview shows how white text looks on a background with the Yxy color 64.6279, 0.2616, 0.2973.

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

64.6279, 0.2616, 0.2973

Protanopia

64.2639, 0.2906, 0.2956

Deuteranopia

64.2888, 0.2883, 0.2824



Tritanopia

64.4588, 0.2649, 0.3075

Trichromacy



Original Color

64.6279, 0.2616, 0.2973

Protanomaly

64.3850, 0.2789, 0.2960

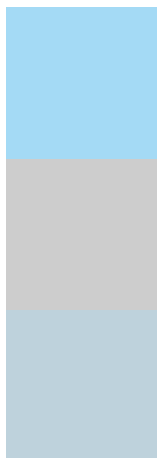
Deuteranomaly

64.2779, 0.2778, 0.2876

Tritanomaly

64.7408, 0.2638, 0.3041

Monochromacy



Original Color

64.6279, 0.2616, 0.2973

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

62.2076, 0.2917, 0.3172

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.6279, 0.2616, 0.2973 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(164, 218, 245)` looks like.

```
.text, #text, p{  
    color:rgb(164, 218, 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(164, 218, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 218, 245) }
```

Border

The CSS property to change the border of an element to Yxy 64.6279, 0.2616, 0.2973 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(164, 218, 245) }
```

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

```
.border{ border-color:rgb(164, 218, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 218, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 218, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 218, 245);  
box-shadow:4px 4px 4px 4px rgb(164, 218,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 64.6279, 0.2616, 0.2973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 218, 245) }
```

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

```
.background{ background-color: rgb(164,  
218, 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](#).

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