

Converting Colors

$Yxy(64.1017, 0.2638, 0.2991)$

Have a look what the booklet for
Yxy(64.1017, 0.2638, 0.2991)
contains.

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Color

Yxy(64.1435, 0.2642, 0.2996)

Conversions

Conversions Part 1

Format	Color
Hex	A6D9F2
RGB	166, 217, 242
RGB Percent	65%, 85%, 95%
CMY	0.3490, 0.1490, 0.0510
CMYK	0.31, 0.10, 0.00, 0.05
HSL	200°, 74%, 80%
HSV	200°, 31%, 95%
XYZ	56.5645, 64.1435, 93.3892
YIQ	204.6010, -38.4210, -3.0370

Conversions

Conversions Part 2

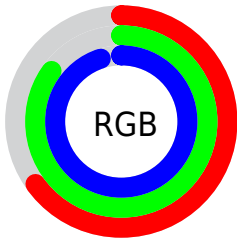
Format	Color
R _Y B	166, 197, 242
Decimal	10934770
CIE Lab	84.04, -10.64, -17.54
CIE LCh	84, 20.515, 238.763
Yxy	64.1435, 0.2642, 0.2996
Android (android.graphics.Color)	4289124850 (0xFFA6D9F2)
YUV	204.6010, 18.4377, -33.8531
Hunter-Lab	80.0896, -14.0887, -13.0728

Details

The Yxy color **64.1435, 0.2642, 0.2996** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **58.8837, 0.3761, 0.3565**, and the grayscale version is **60.6849, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **32.8306, 0.2528, 0.2916** is the 20% darker color. If you saturate the color by 10%, you get **57.7690, 0.2495, 0.2885**, and if you desaturate by 10%, it is **71.2128, 0.2795, 0.3099**.

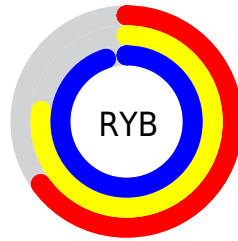
Distribution



Red (65%)

Green (85%)

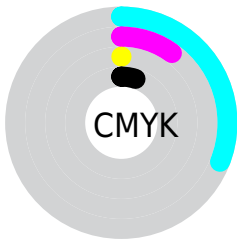
Blue (95%)



Red (65%)

Yellow (77%)

Blue (95%)

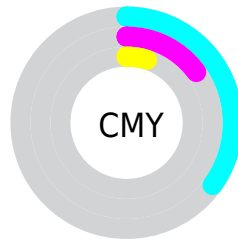


Cyan (31%)

Magenta (10%)

Yellow (0%)

Black (5%)



Cyan (35%)

Magenta (15%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.1435, 0.2642, 0.2996 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 64.1435, 0.2642, 0.2996 by changing the saturation by 10% instead.


 64.1435, 0.2642,
0.2996


 64.1435, 0.2642,
0.2996


439.7077, 0.2868,
0.3138

 46.7669, 0.2590,
0.2962


 110.8176, 0.2720,
0.3046

 32.8514, 0.2527,
0.2920

 140.8838, 0.2751,
0.3065

 22.0127, 0.2446,
0.2866


175.9488, 0.2777,
0.3082

 13.8662, 0.2341,
0.2794

216.3968, 0.2800,
0.3096

 8.0277, 0.2199,
0.2693

262.6123, 0.2820,
0.3108

 4.1127, 0.1997,
0.2543

314.9797, 0.2838,

 1.7368, 0.1691,

0.3119

0.2300

373.8834, 0.2853,
0.3129

0.4473, 0.0652,
0.1763

0.0000, 0.0000,
0.0000

64.1435, 0.2642,
0.2996

64.1435, 0.2642,
0.2996

57.7690, 0.2495,
0.2885

71.2128, 0.2795,
0.3099

52.0512, 0.2358,
0.2767

78.9975, 0.2951,
0.3193

46.9596, 0.2234,
0.2644

87.5265, 0.3106,
0.3279

42.4571, 0.2128,
0.2518

95.3146, 0.3207,
0.3356

■ 38.5019, 0.2041,
0.2390

■ 99.1898, 0.3203,
0.3415

■ 35.0441, 0.1975,
0.2264

■ 32.4007, 0.1933,
0.2158

Harmonies

Analogous

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



64.1435, 0.2678, 0.3202



64.1435, 0.2642, 0.2996



64.1435, 0.2728, 0.2880

Triad

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



64.1435, 0.2642, 0.2996



64.1435, 0.3425, 0.3135



64.1435, 0.3322, 0.3746

Complementary

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



64.1435, 0.2642, 0.2996



58.8837, 0.3761, 0.3565

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.



64.1435, 0.3534, 0.3706



64.1435, 0.2642, 0.2996



64.1435, 0.3597, 0.3348

Square

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



64.1435, 0.2642, 0.2996



64.1435, 0.3175, 0.2964



64.1435, 0.3637, 0.3556



64.1435, 0.3064, 0.3651

Rectangle

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



64.1435, 0.2642, 0.2996



64.1435, 0.2847, 0.2862



64.1435, 0.3637, 0.3556



64.1435, 0.3401, 0.3748

Sweetspot

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



64.1460, 0.2642, 0.2996



91.1842, 0.2987, 0.3214



75.3225, 0.2951, 0.3915



19.2261, 0.2965, 0.3202



0.0000, 0.0000, 0.0000



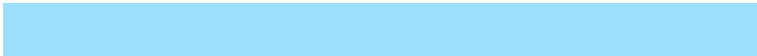
21.4041, 0.3127, 0.3290

Same Dimension

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



64.1460, 0.2642, 0.2996



67.3506, 0.2542, 0.2922



47.1353, 0.2587, 0.2538



17.0021, 0.2981, 0.3211



17.6689, 0.1939, 0.2179



1.6508, 0.1984, 0.2342

Inverse Universe

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



51.1601, 0.3372, 0.2748



51.0832, 0.3442, 0.2631



77.1443, 0.3643, 0.3944



15.9379, 0.3188, 0.3133



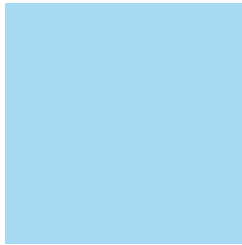
11.5770, 0.4255, 0.2118



0.9814, 0.4082, 0.2023

Previews

White Background



This preview shows how the Yxy color 64.1435, 0.2642, 0.2996 looks on a white background.

Color Contrast Check

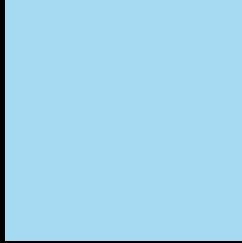
Large Text (above 18pt) WCAG AA × Fail

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 64.1435, 0.2642, 0.2996 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 64.1435, 0.2642, 0.2996

Background



This preview shows how black text looks on a background with the Yxy color 64.1435, 0.2642, 0.2996.



This preview shows how white text looks on a background with the Yxy color 64.1435, 0.2642, 0.2996.

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

64.1435, 0.2642, 0.2996

Protanopia

63.6609, 0.2918, 0.2966

Deuteranopia

63.7754, 0.2908, 0.2844



Tritanopia

64.1983, 0.2670, 0.3076

Trichromacy



Original Color

64.1435, 0.2642, 0.2996

Protanomaly

63.8379, 0.2813, 0.2982

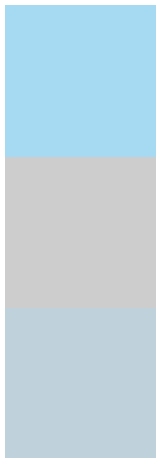
Deuteranomaly

63.7347, 0.2801, 0.2897

Tritanomaly

64.3152, 0.2659, 0.3053

Monochromacy



Original Color

64.1435, 0.2642, 0.2996

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

61.7392, 0.2936, 0.3184

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.1435, 0.2642, 0.2996 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(166, 217, 242)` looks like.

```
.text, #text, p{  
    color:rgb(166, 217, 242)  
}
```

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(166, 217, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 217, 242) }
```

Border

The CSS property to change the border of an element to Yxy 64.1435, 0.2642, 0.2996 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(166, 217, 242) }
```

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

```
.border{ border-color:rgb(166, 217, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 217, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 217, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 217, 242);  
box-shadow:4px 4px 4px 4px rgb(166, 217,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 64.1435, 0.2642, 0.2996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 217, 242) }
```

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

```
.background{ background-color: rgb(166,  
217, 242) }
```

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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