

# Converting Colors

$Yxy(91.8314, 0.2987, 0.3225)$

Have a look what the booklet for  
Yxy(91.8314, 0.2987, 0.3225)  
contains.

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# Color

**Yxy(92.1272, 0.2987, 0.3230)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8F9FF
RGB	232, 249, 255
RGB Percent	91%, 98%, 100%
CMY	0.0903, 0.0235, 0.0000
CMYK	0.09, 0.02, 0.00, 0.00
HSL	196°, 100%, 95%
HSV	196°, 9%, 100%
XYZ	85.1963, 92.1272, 107.9001
YIQ	244.6010, -12.0580, -1.7380

# Conversions

## Conversions Part 2

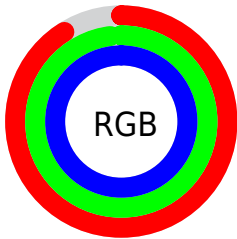
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	232, 242, 255
Decimal	15268351
CIE Lab	96.87, -4.43, -4.79
CIE LCh	97, 6.521, 227.259
Yxy	92.1272, 0.2987, 0.3230
Android (android.graphics.Color)	4293458431 (0xFFE8F9FF)
YUV	244.6010, 5.1267, -11.0511
Hunter-Lab	95.9829, -9.5301, 0.5367

# Details

The Yxy color 92.1272, 0.2987, 0.3230 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 88.2063, 0.3279, 0.3349, and the grayscale version is 90.9373, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 51.4473, 0.2957, 0.3226 is the 20% darker color. If you saturate the color by 10%, you get 84.1444, 0.2833, 0.3157, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

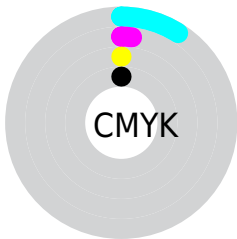
# Distribution



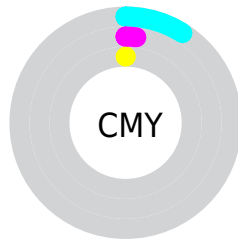
- Red (91%)
- Green (98%)
- Blue (100%)



- Red (91%)
- Yellow (95%)
- Blue (100%)



- Cyan (9%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)




- Cyan (9%)
- Magenta (2%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 92.1272, 0.2987, 0.3230 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 92.1272, 0.2987, 0.3230 by changing the saturation by 10% instead.




 92.1272, 0.2987,  
0.3230

 92.1272, 0.2987,  
0.3230


534.9265, 0.3049,  
0.3257

 69.7463, 0.2973,  
0.3224

150.2897, 0.3008,  
0.3239

 51.3197, 0.2957,  
0.3217


186.8400, 0.3016,  
0.3243

 36.4631, 0.2937,  
0.3208


228.8823, 0.3023,  
0.3246

 24.7921, 0.2911,  
0.3196

276.8009, 0.3030,  
0.3249

 15.9222, 0.2877,  
0.3180

330.9802, 0.3035,  
0.3251

 9.4691, 0.2831,  
0.3159

391.8047, 0.3040,

 5.0484, 0.2763,

0.3253

0.3127

459.6587, 0.3045,  
0.3255

■ 2.2757, 0.2657,  
0.3074

■ 0.7608, 0.2409,  
0.2980

■ 92.1272, 0.2987,  
0.3230

■ 92.1272, 0.2987,  
0.3230

■ 84.1444, 0.2833,  
0.3157

100.0000, 0.3127,  
0.3290

■ 76.8935, 0.2683,  
0.3078

■ 70.3482, 0.2540,  
0.2992

■ 64.4762, 0.2408,  
0.2902

■ 59.2422, 0.2290,  
0.2807

■ 54.6070, 0.2190,  
0.2709

■ 50.5261, 0.2109,  
0.2611

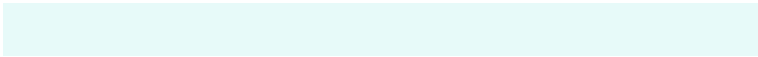
■ 46.9470, 0.2048,  
0.2512

■ 43.7926, 0.2006,  
0.2416

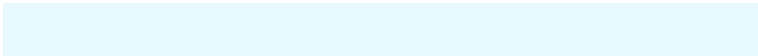
# Harmonies

## Analogous

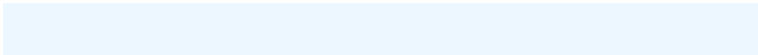
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.1272, 0.3012, 0.3294



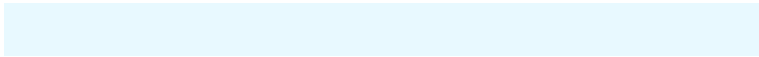
92.1272, 0.2987, 0.3230



92.1272, 0.2999, 0.3184

# Triad

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



92.1272, 0.2987, 0.3230



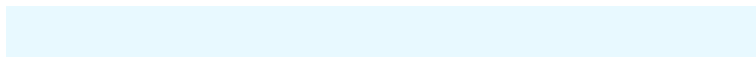
92.1272, 0.3186, 0.3224



92.1272, 0.3209, 0.3417

# Complementary

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



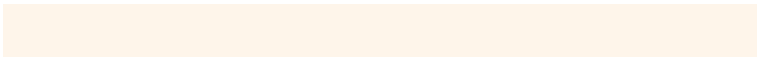
92.1272, 0.2987, 0.3230



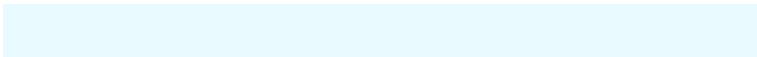
88.2063, 0.3279, 0.3349

# Split Complementary

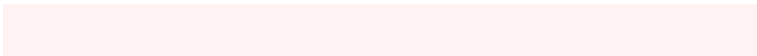
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.1272, 0.3257, 0.3396



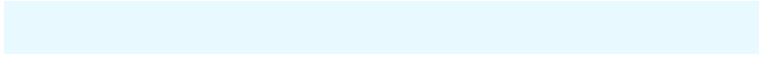
92.1272, 0.2987, 0.3230



92.1272, 0.3244, 0.3285

# Square

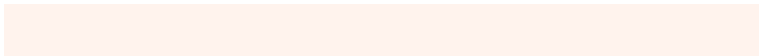
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



92.1272, 0.2987, 0.3230



92.1272, 0.3114, 0.3181



92.1272, 0.3270, 0.3348

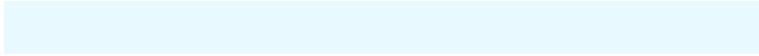


92.1272, 0.3140, 0.3403

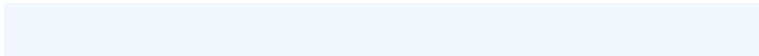


# Rectangle

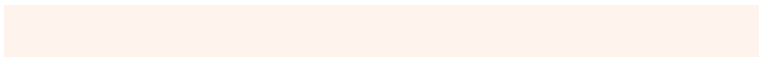
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



92.1272, 0.2987, 0.3230



92.1272, 0.3027, 0.3168



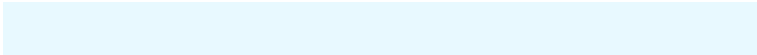
92.1272, 0.3270, 0.3348



92.1272, 0.3228, 0.3414

# Sweetspot

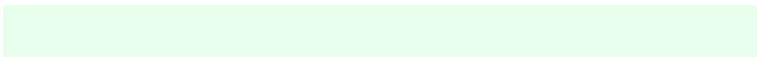
The Sweet Spot groups the original color and five complimentary colors.



92.1309, 0.2987, 0.3230



97.3160, 0.3081, 0.3271



94.8274, 0.3084, 0.3464



20.6786, 0.3068, 0.3265



0.0000, 0.0000, 0.0000

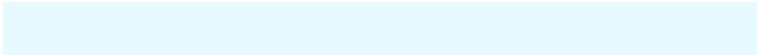


21.4041, 0.3127, 0.3290

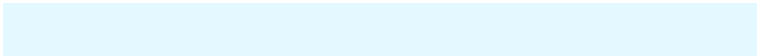


# Same Dimension

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



92.1309, 0.2987, 0.3230



90.4998, 0.2957, 0.3216



85.3602, 0.2986, 0.3116



19.6354, 0.2980, 0.3227



22.9850, 0.2006, 0.2422



2.4150, 0.2037, 0.2533



# Inverse Universe

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



85.7957, 0.3175, 0.3125



82.9302, 0.3187, 0.3088



94.9855, 0.3268, 0.3458



18.2150, 0.3178, 0.3116



13.0483, 0.4000, 0.1977

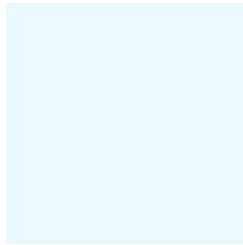


1.2883, 0.3890, 0.1916



# Previews

## White Background



This preview shows how the Yxy color 92.1272, 0.2987, 0.3230 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

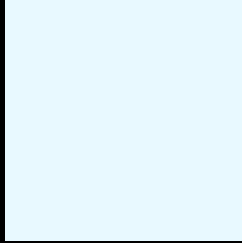
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 92.1272, 0.2987, 0.3230 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

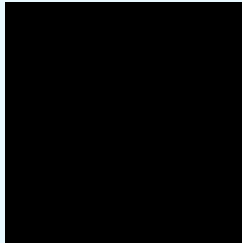
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

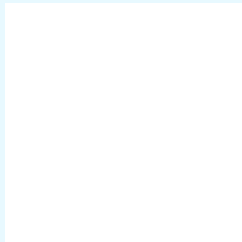
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 92.1272, 0.2987, 0.3230**

## **Background**



This preview shows how black text looks on a background with the Yxy color 92.1272, 0.2987, 0.3230.

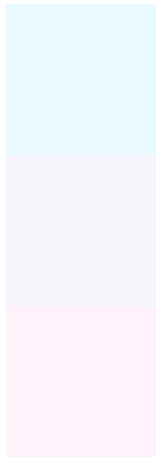


This preview shows how white text looks on a background with the Yxy color 92.1272, 0.2987, 0.3230.

# 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

92.1272, 0.2987, 0.3230

### Protanopia

91.6861, 0.3105, 0.3212

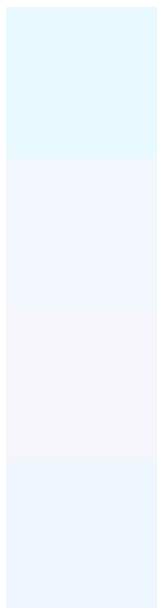
### Deuteranopia

91.7293, 0.3157, 0.3203

## **Tritanopia**

91.8323, 0.3043, 0.3201

# Trichromacy



## Original Color

92.1272, 0.2987, 0.3230

## Protanomaly

91.8806, 0.3061, 0.3221

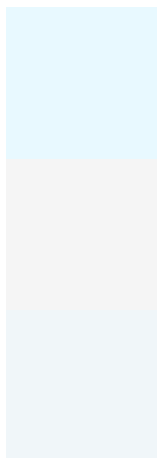
## Deuteranomaly

92.1072, 0.3098, 0.3222

## Tritanomaly

91.9187, 0.3024, 0.3211

# Monochromacy



## Original Color

92.1272, 0.2987, 0.3230

## Achromatopsia

91.3099, 0.3127, 0.3290

## Achromatomaly

91.2764, 0.3071, 0.3260

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 92.1272, 0.2987, 0.3230 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(232, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(232, 249, 255)  
}
```

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(232, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 249, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 92.1272, 0.2987, 0.3230 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(232, 249, 255) }
```

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

```
.border{ border-color:rgb(232, 249, 255) }
```

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

Here you see how a box with a 4 pixel rgb(232, 249, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 249, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 249, 255);  
box-shadow:4px 4px 4px 4px rgb(232, 249,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 92.1272, 0.2987, 0.3230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 249, 255) }
```

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

```
.background{ background-color: rgb(232,  
249, 255) }
```

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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