

# Converting Colors

$Yxy(77.2117, 0.2746, 0.3246)$

Have a look what the booklet for  
Yxy(77.2117, 0.2746, 0.3246)  
contains.

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# Color

**Yxy(77.2632, 0.2747, 0.3244)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4EEF2
RGB	180, 238, 242
RGB Percent	71%, 93%, 95%
CMY	0.2941, 0.0667, 0.0509
CMYK	0.26, 0.02, 0.00, 0.05
HSL	184°, 70%, 83%
HSV	184°, 26%, 95%
XYZ	65.4260, 77.2632, 95.4834
YIQ	221.1140, -35.8520, -11.0520

# Conversions

## Conversions Part 2

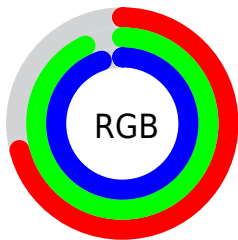
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	180, 210, 242
Decimal	11857650
CIE Lab	90.44, -17.33, -7.91
CIE LCh	90, 19.049, 204.542
Yxy	77.2632, 0.2747, 0.3244
Android (android.graphics.Color)	4290047730 (0xFFB4EEF2)
YUV	221.1140, 10.2968, -36.0570
Hunter-Lab	87.8995, -20.9616, -2.8759

# Details

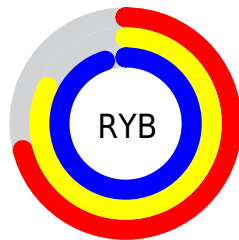
The Yxy color **77.2632, 0.2747, 0.3244** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **56.4650, 0.3663, 0.3336**, and the grayscale version is **72.3384, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **41.3610, 0.2659, 0.3230** is the 20% darker color. If you saturate the color by 10%, you get **73.7020, 0.2617, 0.3224**, and if you desaturate by 10%, it is **81.3457, 0.2889, 0.3263**.

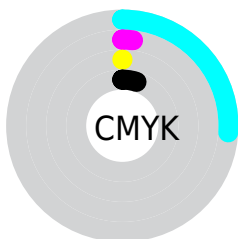
# Distribution



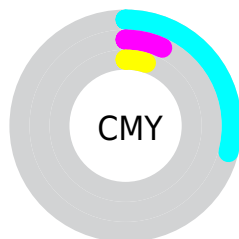
- Red (71%)
- Green (93%)
- Blue (95%)



- Red (71%)
- Yellow (82%)
- Blue (95%)



- Cyan (26%)
- Magenta (2%)
- Yellow (0%)
- Black (5%)




- Cyan (29%)
- Magenta (7%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.2632, 0.2747, 0.3244 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 77.2632, 0.2747, 0.3244 by changing the saturation by 10% instead.





 77.2632, 0.2747,  
0.3244

 77.2632, 0.2747,  
0.3244


485.6609, 0.2919,  
0.3268

 57.4689, 0.2709,  
0.3238


 129.5109, 0.2806,  
0.3253

 41.3818, 0.2662,  
0.3230


162.7332, 0.2829,  
0.3256

 28.6176, 0.2603,  
0.3220

201.2002, 0.2849,  
0.3259

 18.7917, 0.2527,  
0.3207

245.2965, 0.2867,  
0.3261

 11.5199, 0.2427,  
0.3187

295.4062, 0.2882,  
0.3263

 6.4177, 0.2286,  
0.3156


351.9140, 0.2896,


 3.1007, 0.2076,


0.3265


0.3102


415.2041, 0.2908,  
0.3266

 1.1845, 0.1713,  
0.3003


 0.0490, 0.0000,  
0.0747

 77.2632, 0.2747,  
0.3244


 77.2632, 0.2747,  
0.3244


 73.7020, 0.2617,  
0.3224

 81.3457, 0.2889,  
0.3263


 70.6263, 0.2501,  
0.3203

 85.9647, 0.3040,  
0.3281

 68.0105, 0.2402,  
0.3181

 91.1461, 0.3196,  
0.3297

 65.8229, 0.2322,  
0.3159

 92.5376, 0.3211,  
0.3312

64.0274, 0.2262,  
0.3136

93.4863, 0.3209,  
0.3327

62.5821, 0.2221,  
0.3114

94.4431, 0.3208,  
0.3342

61.4353, 0.2197,  
0.3093

95.4079, 0.3207,  
0.3357

60.9924, 0.2190,  
0.3083

96.3809, 0.3206,  
0.3372

97.3619, 0.3205,  
0.3387

# Harmonies

## Analogous

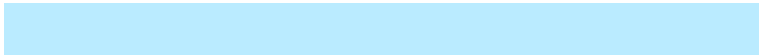
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.2632, 0.2893, 0.3455



77.2632, 0.2747, 0.3244



77.2632, 0.2700, 0.3056

# Triad

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



77.2632, 0.2747, 0.3244



77.2632, 0.3137, 0.2987



77.2632, 0.3501, 0.3641

# Complementary

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



77.2632, 0.2747, 0.3244



56.4650, 0.3663, 0.3336

# 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.



77.2632, 0.3574, 0.3501



77.2632, 0.2747, 0.3244



77.2632, 0.3360, 0.3130

# Square

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



77.2632, 0.2747, 0.3244



77.2632, 0.2919, 0.2917



77.2632, 0.3522, 0.3315



77.2632, 0.3328, 0.3689

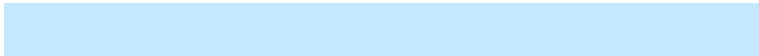


# Rectangle

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



77.2632, 0.2747, 0.3244



77.2632, 0.2729, 0.2969



77.2632, 0.3522, 0.3315



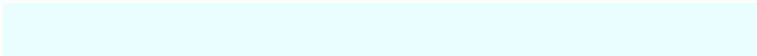
77.2632, 0.3539, 0.3602

# Sweetspot

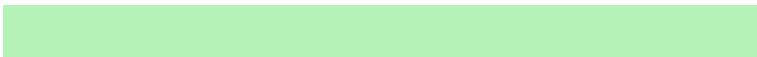
The Sweet Spot groups the original color and five complimentary colors.



77.2663, 0.2747, 0.3244



95.4941, 0.3003, 0.3277



76.6426, 0.3075, 0.3985



20.2680, 0.2980, 0.3274



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.



77.2663, 0.2747, 0.3244



84.7411, 0.2674, 0.3233



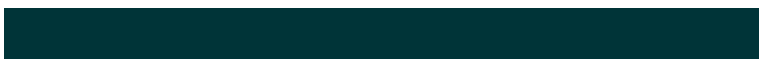
61.1835, 0.2715, 0.2895



17.7433, 0.2981, 0.3274



32.8383, 0.2191, 0.3087



2.7844, 0.2199, 0.3115



# Inverse Universe

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



57.6974, 0.3188, 0.2690



59.1857, 0.3202, 0.2562



70.3258, 0.3583, 0.3655



16.0127, 0.3148, 0.3072



13.1084, 0.3378, 0.1635

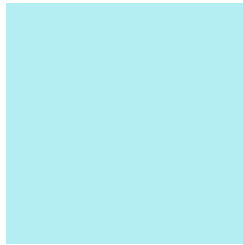


1.0958, 0.3354, 0.1621



# Previews

## White Background



This preview shows how the Yxy color 77.2632, 0.2747, 0.3244 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

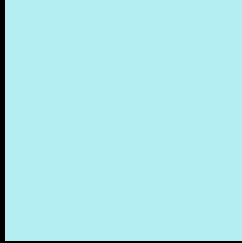
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.2632, 0.2747, 0.3244 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

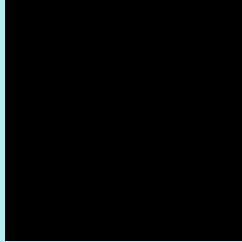
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 77.2632, 0.2747, 0.3244**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.2632, 0.2747, 0.3244.

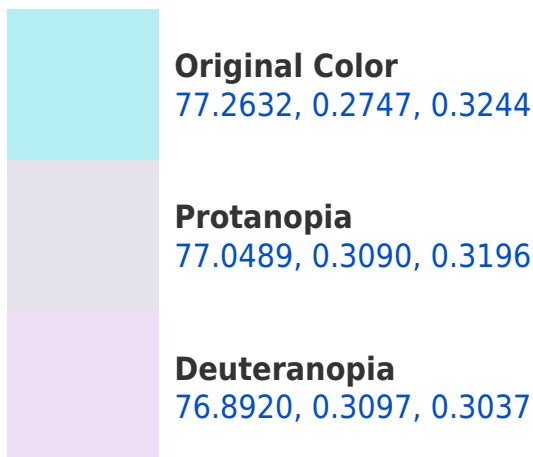


This preview shows how white text looks on a background with the Yxy color 77.2632, 0.2747, 0.3244.

# 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





## Tritanopia

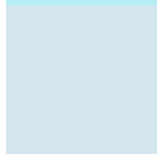
77.2782, 0.2694, 0.3081

# Trichromacy



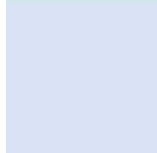
## Original Color

77.2632, 0.2747, 0.3244



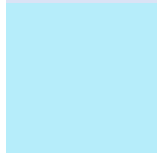
## Protanomaly

76.6156, 0.2952, 0.3203



## Deuteranomaly

76.4362, 0.2955, 0.3100



## Tritanomaly

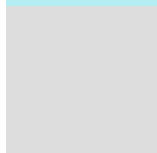
77.4156, 0.2715, 0.3146

# Monochromacy



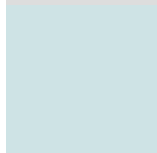
## Original Color

77.2632, 0.2747, 0.3244



## Achromatopsia

72.3055, 0.3127, 0.3290



## Achromatomaly

73.7171, 0.2973, 0.3268

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.2632, 0.2747, 0.3244 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(180, 238, 242)` looks like.

```
.text, #text, p{  
    color:rgb(180, 238, 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(180, 238, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 238, 242) }
```

## Border

The CSS property to change the border of an element to Yxy 77.2632, 0.2747, 0.3244 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(180, 238, 242) }
```

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

```
.border{ border-color:rgb(180, 238, 242) }
```

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

Here you see how a box with a 4 pixel rgb(180, 238, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 238, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 238, 242);  
box-shadow:4px 4px 4px 4px rgb(180, 238,  
242) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.2632, 0.2747, 0.3244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 238, 242) }
```

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

```
.background{ background-color: rgb(180,  
238, 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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