

# Converting Colors

XYZ(77.7549, 84.9065,  
101.3896)

Have a look what the booklet for  
XYZ(77.7549, 84.9065, 101.3896)  
contains.

<b>XYZ(77.6120, 84.7480, 101.0743)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(77.6120, 84.7480,  
101.0743)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBF1F8
RGB	219, 241, 248
RGB Percent	86%, 95%, 97%
CMY	0.1412, 0.0549, 0.0274
CMYK	0.12, 0.03, 0.00, 0.03
HSL	194°, 67%, 92%
HSV	194°, 12%, 97%
XYZ	77.6120, 84.7480, 101.0743
YIQ	235.2200, -15.3590, -2.4870

# Conversions

## Conversions Part 2

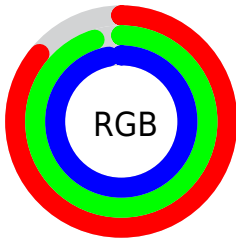
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	219, 232, 248
Decimal	14414328
CIE Lab	93.77, -5.83, -5.83
CIE LCh	94, 8.244, 225.042
Yxy	84.7480, 0.2946, 0.3217
Android (android.graphics.Color)	4292604408 (0xFFDBF1F8)
YUV	235.2200, 6.3005, -14.2249
Hunter-Lab	92.0587, -10.6145, -0.6554

# Details

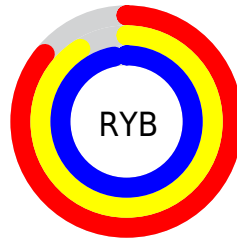
The XYZ color **77.6120, 84.7480, 101.0743** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.6944, 79.4632, 78.2096**, and the grayscale version is **79.0971, 83.2163, 90.6226**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.1732, 46.3962, 56.6018** is the 20% darker color. If you saturate the color by 10%, you get **68.9582, 77.7028, 100.1719**, and if you desaturate by 10%, it is **87.4404, 92.4897, 102.0519**.

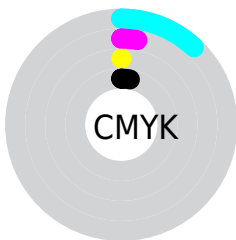
# Distribution



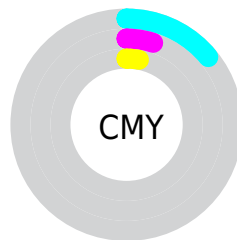
- Red (86%)
- Green (95%)
- Blue (97%)



- Red (86%)
- Yellow (91%)
- Blue (97%)



- Cyan (12%)
- Magenta (3%)
- Yellow (0%)
- Black (3%)



- Cyan (14%)
- Magenta (5%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.6120, 84.7480, 101.0743 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 XYZ color 77.6120, 84.7480, 101.0743 by changing the saturation by 10% instead.



■ 77.6120, 84.7480,  
101.0743

■ 77.6120, 84.7480,  
101.0743

475.7081,  
510.7938, 584.9076

■ 58.0570, 63.6332,  
76.5762

128.9713,  
140.0210, 164.6975

■ 42.0979, 46.3536,  
56.3956

161.5063,  
174.9481, 204.6596

■ 29.3694, 32.5250,  
40.1141

199.0986,  
215.2479, 250.6134

■ 19.5061, 21.7628,  
27.3130

242.1136,  
261.3050, 302.9775

■ 12.1427, 13.6827,  
17.5739

290.9168,  
313.5038, 362.1705

■ 6.9138, 7.9003,  
10.4783

345.8733,

■ 3.4541, 4.0312,

372.2286, 428.6108

5.6075

407.3487,  
437.8638, 502.7170

■ 1.3982, 1.6910,  
2.5430

■ 0.2550, 0.4179,  
0.8628

■ 77.6120, 84.7480,  
101.0743

■ 77.6120, 84.7480,  
101.0743

■ 68.9582, 77.7028,  
100.1719

■ 87.4404, 92.4897,  
102.0519

■ 61.4221, 71.3171,  
99.3365

■ 93.2999, 98.2701,  
102.8588

■ 54.9531, 65.5661,  
98.5674

■ 93.9435, 99.5574,  
103.0734

■ 49.4933, 60.4194,  
97.8618

■ 44.9794, 55.8433,  
97.2164

■ 41.3406, 51.8004,  
96.6278

■ 38.4952, 48.2479,  
96.0921

■ 36.3452, 45.1342,  
95.6044

■ 34.9630, 42.8163,  
95.2299

# Harmonies

## Analogous

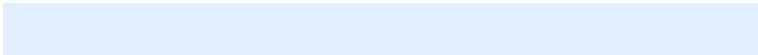
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.5525, 84.7480, 95.4410



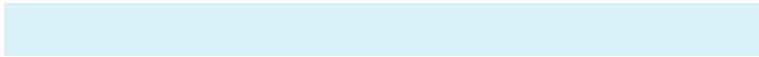
77.6120, 84.7480, 101.0743



79.4686, 84.7480, 104.4225

# Triad

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



77.6120, 84.7480, 101.0743



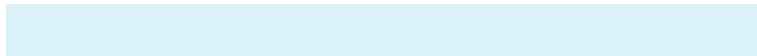
84.6869, 84.7480, 95.4235



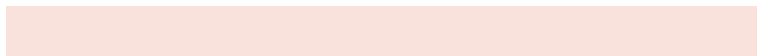
79.4627, 84.7480, 81.1144

# Complementary

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



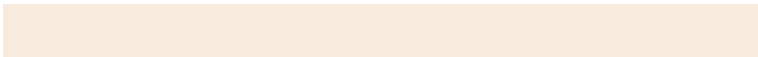
77.6120, 84.7480, 101.0743



78.6944, 79.4632, 78.2096

# 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.



81.6420, 84.7480, 81.1102



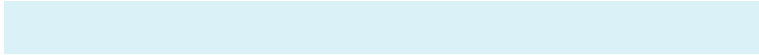
77.6120, 84.7480, 101.0743



84.6852, 84.7480, 89.1820

# Square

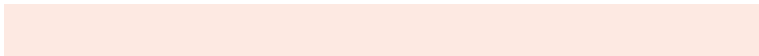
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.6120, 84.7480, 101.0743



83.5666, 84.7480, 101.0610



83.5621, 84.7480, 84.0040



77.6077, 84.7480, 84.0158



# Rectangle

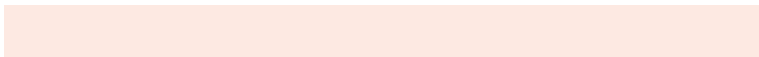
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



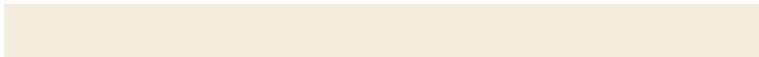
77.6120, 84.7480, 101.0743



80.9210, 84.7480, 104.8160



83.5621, 84.7480, 84.0040



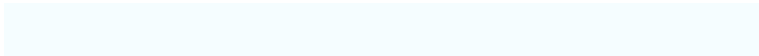
80.1810, 84.7480, 80.7786

# Sweetspot

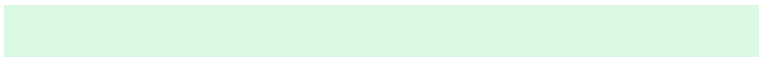
The Sweet Spot groups the original color and five complimentary colors.



77.6145, 84.7515, 101.0762



90.6164, 96.5565, 108.4690



76.4777, 87.6745, 84.6773



19.2221, 20.5314, 23.1998



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

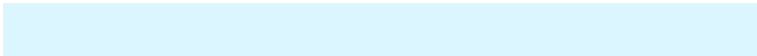


# Same Dimension

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



77.6145, 84.7515, 101.0762



80.4274, 88.4739, 107.4459



73.5544, 76.6313, 99.7228



17.3902, 18.8573, 22.1086



19.0015, 23.3586, 51.4807



1.8418, 2.3272, 4.7953



# Inverse Universe

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



79.9220, 76.9721, 93.8680



83.3439, 78.7573, 98.3096



82.7376, 87.5497, 79.5574



17.8035, 17.4488, 20.8210



25.8831, 12.7690, 27.1566

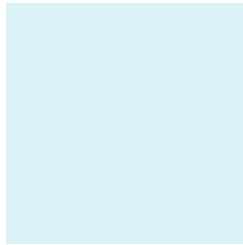


2.4386, 1.1992, 2.7329



# Previews

## White Background



This preview shows how the XYZ color 77.6120, 84.7480, 101.0743 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

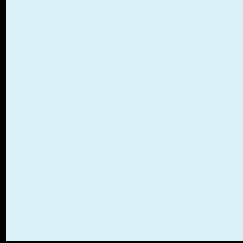
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.6120, 84.7480, 101.0743 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](#).

# XYZ 77.6120, 84.7480, 101.0743

## Background



This preview shows how black text looks on a background with the XYZ color 77.6120, 84.7480, 101.0743.



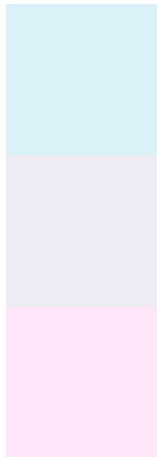
This preview shows how white text looks on a background with the XYZ color 77.6120, 84.7480,



# 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

77.6120, 84.7480, 101.0743

### Protanopia

81.7864, 84.3600, 98.3587

### Deuteranopia

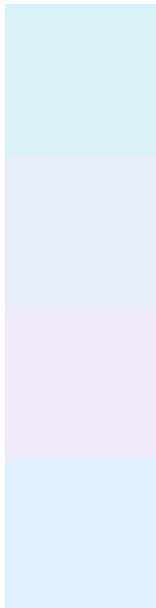
86.4252, 84.5666, 102.2104



## Tritanopia

79.6570, 84.8003, 106.7775

# Trichromacy



## Original Color

77.6120, 84.7480, 101.0743

## Protanomaly

80.1975, 84.3780, 99.2485

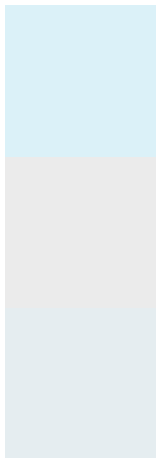
## Deuteranomaly

82.7973, 84.3860, 101.5468

## Tritanomaly

78.8550, 84.8780, 104.3225

# Monochromacy



## Original Color

77.6120, 84.7480, 101.0743

## Achromatopsia

78.9647, 83.0770, 90.4708

## Achromatomaly

78.3255, 83.5177, 94.4304

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.6120, 84.7480, 101.0743 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(219, 241, 248)` looks like.

```
.text, #text, p{  
    color:rgb(219, 241, 248)  
}
```

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(219, 241, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 241, 248) }
```

## Border

The CSS property to change the border of an element to XYZ 77.6120, 84.7480, 101.0743 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(219, 241, 248) }
```



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

```
.border{ border-color:rgb(219, 241, 248) }
```

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

Here you see how a box with a 4 pixel rgb(219, 241, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 241, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 241, 248);  
box-shadow:4px 4px 4px 4px rgb(219, 241,  
248) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.6120, 84.7480, 101.0743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 241, 248) }
```

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

```
.background{ background-color: rgb(219,  
241, 248) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor