

# Converting Colors

XYZ(81.2415, 84.2811,  
104.7500)

Have a look what the booklet for  
XYZ(81.2415, 84.2811, 104.7500)  
contains.

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# **Color**

**XYZ(81.3293, 84.4064,  
104.9341)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9ECFD
RGB	233, 236, 253
RGB Percent	91%, 93%, 99%
CMY	0.0863, 0.0745, 0.0078
CMYK	0.08, 0.07, 0.00, 0.01
HSL	231°, 83%, 95%
HSV	231°, 8%, 99%
XYZ	81.3293, 84.4064, 104.9341
YIQ	237.0410, -7.2450, 4.6510

# Conversions

## Conversions Part 2

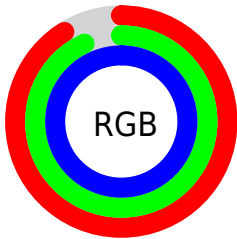
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	233, 236, 253
Decimal	15330557
CIE Lab	93.63, 2.16, -8.54
CIE LCh	94, 8.809, 284.172
Yxy	84.4064, 0.3005, 0.3118
Android (android.graphics.Color)	4293520637 (0xFFE9ECFD)
YUV	237.0410, 7.8678, -3.5440
Hunter-Lab	91.8730, -2.7629, -3.4079

# Details

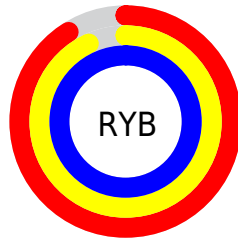
The XYZ color **81.3293, 84.4064, 104.9341** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **89.4018, 95.1362, 90.7433**, and the grayscale version is **80.4753, 84.6662, 92.2015**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.4165, 45.9752, 58.7576** is the 20% darker color. If you saturate the color by 10%, you get **67.8331, 68.8078, 102.6359**, and if you desaturate by 10%, it is **94.7299, 99.8720, 107.2143**.

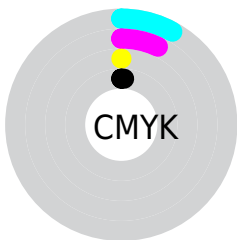
# Distribution



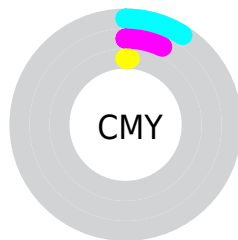
- Red (91%)
- Green (93%)
- Blue (99%)



- Red (91%)
- Yellow (93%)
- Blue (99%)



- Cyan (8%)
- Magenta (7%)
- Yellow (0%)
- Black (1%)



- Cyan (9%)
- Magenta (7%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.3293, 84.4064, 104.9341 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 81.3293, 84.4064, 104.9341 by changing the saturation by 10% instead.



81.3293, 84.4064,  
104.9341

81.3293, 84.4064,  
104.9341

488.0700,  
509.6618, 597.2799

61.1251, 63.3510,  
79.7878

134.1738,  
139.5435, 170.0322

44.5790, 46.1252,  
59.0186

167.5448,  
174.3941, 210.8211

31.3258, 32.3447,  
42.2080

206.0353,  
214.6118, 257.6612

21.0001, 21.6249,  
28.9374

250.0109,  
260.5811, 310.9712

13.2366, 13.5815,  
18.7883

299.8368,  
312.6863, 371.1695

7.6698, 7.8302,  
11.3421

355.8784,

3.9344, 3.9865,

371.3119, 438.6747

6.1804

418.5010,  
436.8423, 513.9053

■ 1.6651, 1.6660,  
2.8845

■ 0.4343, 0.4015,  
1.0360

■ 81.3293, 84.4064,  
104.9341

■ 81.3293, 84.4064,  
104.9341

■ 67.8331, 68.8078,  
102.6359

94.7299, 99.8720,  
107.2143

■ 56.1872, 55.2280,  
100.6285

■ 46.3126, 43.5870,  
98.9020

■ 38.1215, 33.7954,  
97.4438

■ 31.5185, 25.7569,  
96.2402

■ 26.3985, 19.3662,  
95.2766

■ 22.6434, 14.5063,  
94.5364

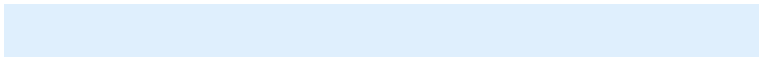
■ 20.1165, 11.0441,  
94.0013

■ 18.6421, 8.8179,  
93.6493

# Harmonies

## Analogous

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



79.0082, 84.4064, 104.8292



81.3293, 84.4064, 104.9341



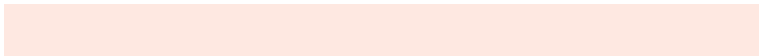
83.3930, 84.4064, 101.4320

# Triad

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



81.3293, 84.4064, 104.9341



83.4870, 84.4064, 83.2380



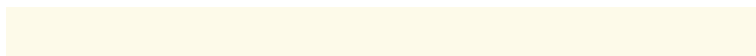
75.9861, 84.4064, 88.4440

# Complementary

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



81.3293, 84.4064, 104.9341



89.4018, 95.1362, 90.7433

# 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.



77.1398, 84.4064, 82.9926



81.3293, 84.4064, 104.9341



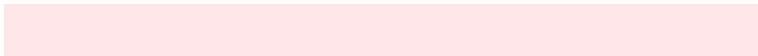
81.4557, 84.4064, 80.0879

# Square

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



81.3293, 84.4064, 104.9341



84.6550, 84.4064, 88.7939



79.1322, 84.4064, 80.0002



75.9538, 84.4064, 95.0864



# Rectangle

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



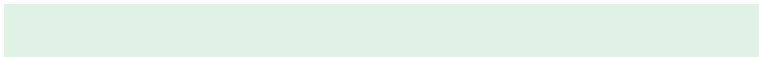
81.3293, 84.4064, 104.9341



84.3324, 84.4064, 97.6167



79.1322, 84.4064, 80.0002



76.2546, 84.4064, 86.4190

# Sweetspot

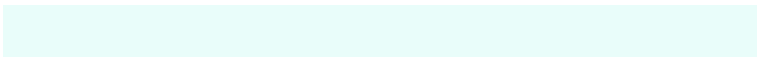
The Sweet Spot groups the original color and five complimentary colors.



81.3318, 84.4100, 104.9360



91.8314, 96.3114, 108.3577



85.9340, 94.4569, 103.8728



19.6894, 20.6533, 23.1987



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.



81.3318, 84.4100, 104.9360



81.1957, 84.0857, 106.5584



82.6920, 83.8381, 104.7539



17.2232, 17.8179, 22.7814



9.8641, 4.6378, 49.8099



1.0222, 0.5752, 4.8704



# Inverse Universe

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



84.7891, 85.2182, 91.3410



85.1780, 85.0283, 90.8968



87.9577, 95.7883, 90.9453



18.1205, 18.0315, 19.2519



21.7672, 11.1962, 2.1584

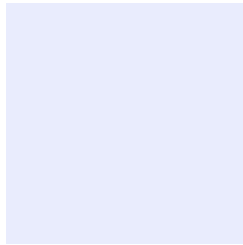


2.1506, 1.1026, 0.3744



# Previews

## White Background



This preview shows how the XYZ color 81.3293, 84.4064, 104.9341 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

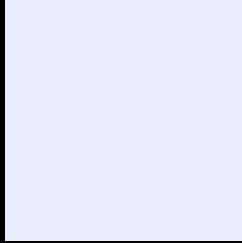
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.3293, 84.4064, 104.9341 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

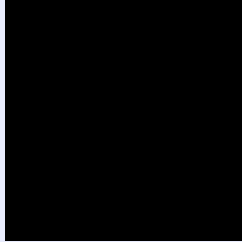
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 81.3293, 84.4064, 104.9341

## Background



This preview shows how black text looks on a background with the XYZ color 81.3293, 84.4064, 104.9341.



This preview shows how white text looks on a background with the XYZ color 81.3293, 84.4064,

104.9341.

# 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

81.3293, 84.4064, 104.9341

### Protanopia

81.8711, 84.2778, 104.0476

### Deuteranopia

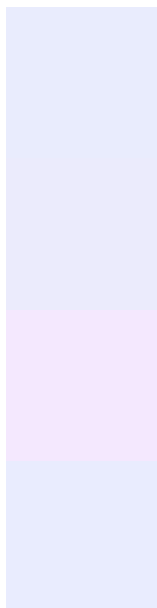
85.9699, 84.2586, 105.4984



## Tritanopia

81.4891, 84.4703, 105.7754

# Trichromacy



## Original Color

81.3293, 84.4064, 104.9341

## Protanomaly

81.5400, 84.1071, 104.0321

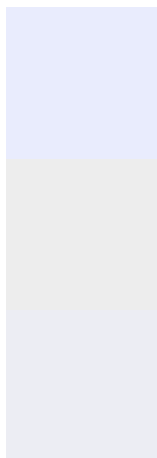
## Deuteranomaly

84.0542, 84.1021, 105.5691

## Tritanomaly

81.4891, 84.4703, 105.7754

# Monochromacy



## Original Color

81.3293, 84.4064, 104.9341

## Achromatopsia

80.4953, 84.6873, 92.2245

## Achromatomaly

81.0539, 84.8723, 96.9040

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.3293, 84.4064, 104.9341 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(233, 236, 253)` looks like.

```
.text, #text, p{  
    color:rgb(233, 236, 253)  
}
```

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(233, 236, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 236, 253) }
```

## Border

The CSS property to change the border of an element to XYZ 81.3293, 84.4064, 104.9341 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(233, 236, 253) }
```



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

```
.border{ border-color:rgb(233, 236, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 236, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 236, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 236, 253);  
box-shadow:4px 4px 4px 4px rgb(233, 236,  
253) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.3293, 84.4064, 104.9341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 236, 253) }
```

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

```
.background{ background-color: rgb(233,  
236, 253) }
```

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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