

# Converting Colors

XYZ(90.9614, 93.2330,  
137.9733)

Have a look what the booklet for  
XYZ(90.9614, 93.2330, 137.9733)  
contains.

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# **Color**

**XYZ(84.9375, 90.6240,  
107.6232)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAFF6E
RGB	234, 246, 255
RGB Percent	92%, 96%, 100%
CMY	0.0823, 0.0353, 0.0000
CMYK	0.08, 0.04, 0.00, 0.00
HSL	206°, 100%, 96%
HSV	206°, 8%, 100%
XYZ	84.9375, 90.6240, 107.6232
YIQ	243.4380, -10.0410, 0.2550

# Conversions

## Conversions Part 2

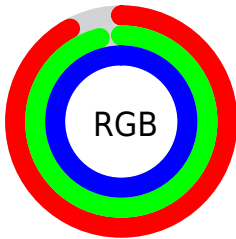
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	234, 242, 255
Decimal	15398655
CIE Lab	96.26, -2.25, -5.68
CIE LCh	96, 6.113, 248.368
Yxy	90.6240, 0.2999, 0.3200
Android (android.graphics.Color)	4293588735 (0xFFEAF6FF)
YUV	243.4380, 5.7001, -8.2771
Hunter-Lab	95.1966, -7.3307, -0.3918

# Details

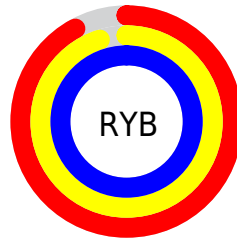
The XYZ color **84.9375, 90.6240, 107.6232** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.1412, 91.2998, 90.8206**, and the grayscale version is **85.5041, 89.9570, 97.9631**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.9666, 50.3691, 60.6729** is the 20% darker color. If you saturate the color by 10%, you get **73.9358, 80.1668, 106.1846**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

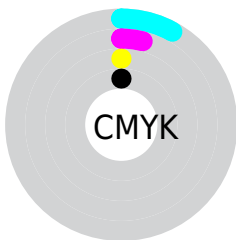
# Distribution



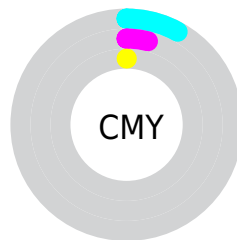
- Red (92%)
- Green (96%)
- Blue (100%)



- Red (92%)
- Yellow (95%)
- Blue (100%)



- Cyan (8%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (8%)
- Magenta (4%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.9375, 90.6240, 107.6232 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 84.9375, 90.6240, 107.6232 by changing the saturation by 10% instead.



84.9375, 90.6240,  
107.6232

84.9375, 90.6240,  
107.6232

499.9080,  
530.0586, 605.8207

64.1121, 68.4983,  
82.0298

139.2003,  
148.2049, 173.7373

47.0035, 50.3032,  
60.8542

173.3684,  
184.4288, 215.0952

33.2464, 35.6544,  
43.6777

212.7148,  
226.1210, 262.5449

22.4754, 24.1674,  
30.0819

257.6048,  
273.6657, 316.5050

14.3252, 15.4578,  
19.6482

308.4037,  
327.4475, 377.3941

8.4304, 9.1413,  
11.9580

365.4770,

4.4257, 4.8335,

387.8506, 445.6308

6.5929

429.1900,  
455.2595, 521.6335

■ 1.9457, 2.1499,  
3.1343

■ 0.6032, 0.6925,  
1.1636

■ 84.9375, 90.6240,  
107.6232

■ 84.9375, 90.6240,  
107.6232

■ 73.9358, 80.1668,  
106.1846

95.0500, 100.0000,  
108.9000

■ 64.2775, 70.6847,  
104.8635

■ 55.9067, 62.1464,  
103.6566

■ 48.7603, 54.5142,  
102.5601

■ 42.7699, 47.7473,  
101.5697

■ 37.8594, 41.8012,  
100.6808

■ 33.9427, 36.6256,  
99.8882

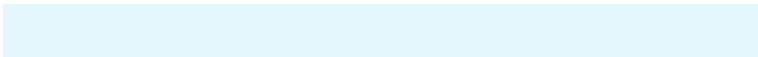
■ 30.9187, 32.1625,  
99.1861

■ 28.6491, 28.3345,  
98.5669

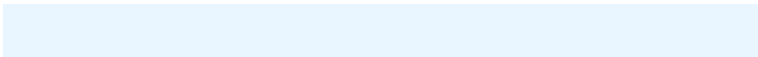
# Harmonies

## Analogous

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



83.6010, 90.6240, 104.5923



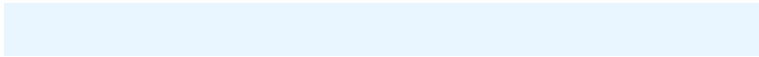
84.9375, 90.6240, 107.6232



86.6114, 90.6240, 108.2165

# Triad

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



84.9375, 90.6240, 107.6232



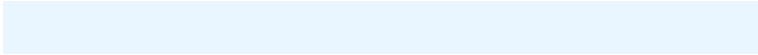
89.4059, 90.6240, 97.3196



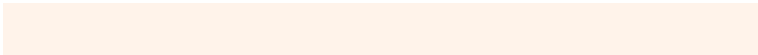
84.1248, 90.6240, 91.5235

# Complementary

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



84.9375, 90.6240, 107.6232



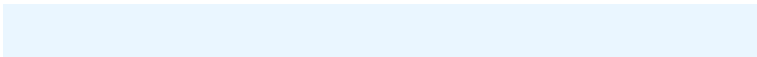
88.1412, 91.2998, 90.8206

# Split Complementary

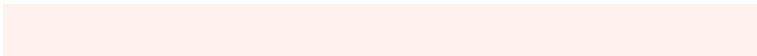
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.6611, 90.6240, 89.7099



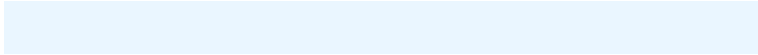
84.9375, 90.6240, 107.6232



88.7205, 90.6240, 92.9836

# Square

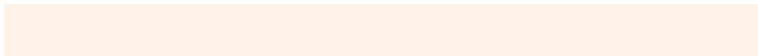
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



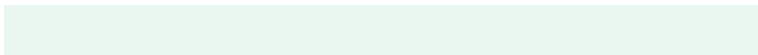
84.9375, 90.6240, 107.6232



89.2060, 90.6240, 102.1611



87.3445, 90.6240, 90.2354

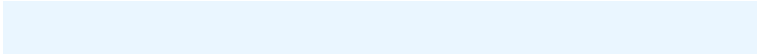


83.1361, 90.6240, 95.2674



# Rectangle

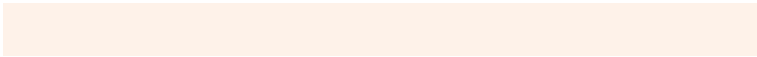
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.9375, 90.6240, 107.6232



87.6959, 90.6240, 107.1319



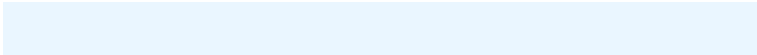
87.3445, 90.6240, 90.2354



84.5935, 90.6240, 90.6736

# Sweetspot

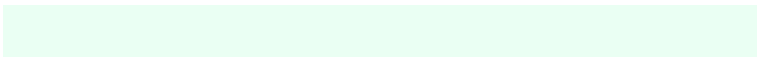
The Sweet Spot groups the original color and five complimentary colors.



84.9399, 90.6277, 107.6238



92.5055, 97.6596, 108.5824



85.8325, 95.4688, 98.5007



19.8267, 20.9278, 23.2444



0.0000, 0.0000, 0.0000

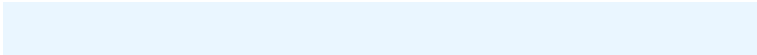


20.3446, 21.4041, 23.3091

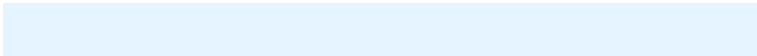


# Same Dimension

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



84.9399, 90.6277, 107.6238



82.8968, 88.7081, 107.3610



81.9065, 84.5610, 106.6127



17.8651, 19.1018, 22.9954



14.9352, 14.7800, 51.5002



1.5627, 1.6560, 5.0506



# Inverse Universe

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



87.2988, 86.7610, 99.3387



85.7387, 84.1121, 97.3656



91.2959, 97.6093, 91.8722



18.4446, 18.1611, 20.9582



24.3268, 12.2200, 15.6372

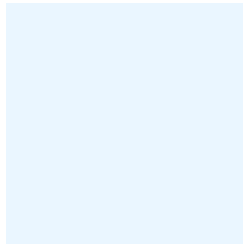


2.4234, 1.2117, 1.8109



# Previews

## White Background



This preview shows how the XYZ color 84.9375, 90.6240, 107.6232 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

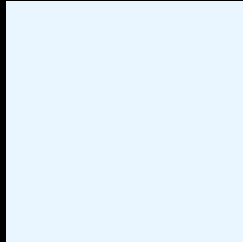
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.9375, 90.6240, 107.6232 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

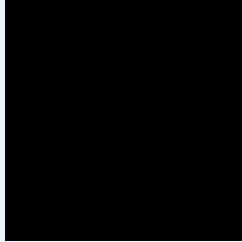
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

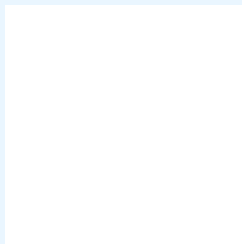
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 84.9375, 90.6240, 107.6232

## Background



This preview shows how black text looks on a background with the XYZ color 84.9375, 90.6240, 107.6232.



This preview shows how white text looks on a background with the XYZ color 84.9375, 90.6240,

107.6232.

# 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

84.9375, 90.6240, 107.6232

### Protanopia

87.7863, 90.7859, 105.8251

### Deuteranopia

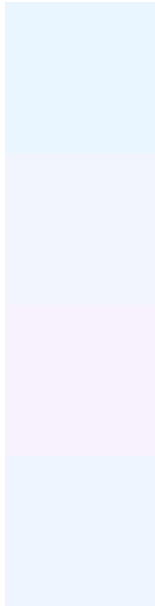
89.9708, 90.6085, 104.8427



## Tritanopia

86.3359, 90.4466, 107.5153

# Trichromacy



## Original Color

84.9375, 90.6240, 107.6232

## Protanomaly

86.8580, 90.7344, 106.7015

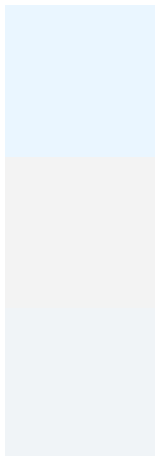
## Deuteranomaly

87.8395, 90.3703, 105.7421

## Tritanomaly

85.9623, 90.7020, 107.5843

# Monochromacy



## Original Color

84.9375, 90.6240, 107.6232

## Achromatopsia

85.1904, 89.6269, 97.6037

## Achromatomaly

85.0744, 89.9420, 100.8723

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.9375, 90.6240, 107.6232 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(234, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(234, 246, 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(234, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 246, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 84.9375, 90.6240, 107.6232 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(234, 246, 255) }
```



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

```
.border{ border-color:rgb(234, 246, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(234, 246,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.9375, 90.6240, 107.6232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 246, 255) }
```

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

```
.background{ background-color: rgb(234,  
246, 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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