

# Converting Colors

XYZ(87.5648, 93.0799,  
102.2539)

Have a look what the booklet for  
XYZ(87.5648, 93.0799, 102.2539)  
contains.

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# Color

**XYZ(87.4728, 92.9668,  
102.1410)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3F8F8
RGB	243, 248, 248
RGB Percent	95%, 97%, 97%
CMY	0.0471, 0.0274, 0.0274
CMYK	0.02, 0.00, 0.00, 0.03
HSL	180°, 26%, 96%
HSV	180°, 2%, 97%
XYZ	87.4728, 92.9668, 102.1410
YIQ	246.5050, -2.9800, -1.0600

# Conversions

## Conversions Part 2

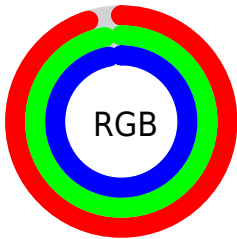
Format	Color
R <sub>Y</sub> B	243, 246, 248
Decimal	15988984
CIE Lab	97.21, -1.64, -0.59
CIE LCh	97, 1.744, 199.663
Yxy	92.9668, 0.3095, 0.3290
Android (android.graphics.Color)	4294179064 (0xFF3F8F8)
YUV	246.5050, 0.7370, -3.0739
Hunter-Lab	96.4193, -6.7963, 4.6851

# Details

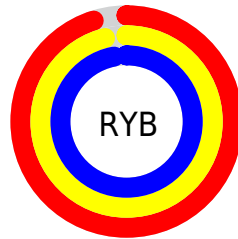
The XYZ color 87.4728, 92.9668, 102.1410 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 86.9431, 90.5311, 97.6904, and the grayscale version is 88.0045, 92.5876, 100.8279.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 48.8576, 52.0698, 57.3446 is the 20% darker color. If you saturate the color by 10%, you get 79.4832, 88.8510, 101.7525, and if you desaturate by 10%, it is 91.7559, 95.1771, 102.3599.

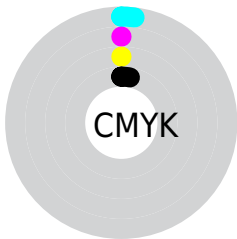
# Distribution



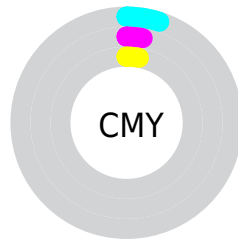
- Red (95%)
- Green (97%)
- Blue (97%)



- Red (95%)
- Yellow (96%)
- Blue (97%)



- Cyan (2%)
- Magenta (0%)
- Yellow (0%)
- Black (3%)



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.4728, 92.9668, 102.1410 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 87.4728, 92.9668, 102.1410 by changing the saturation by 10% instead.



87.4728, 92.9668,  
102.1410

87.4728, 92.9668,  
102.1410

508.1365,  
537.6352, 588.3405

66.2159, 70.4439,  
77.4630

142.7192,  
151.4526, 166.1738

48.7160, 51.8885,  
57.1191

177.4395,  
188.1844, 206.3656

34.6079, 36.9162,  
40.6909

217.3782,  
230.4212, 252.5657

23.5261, 25.1426,  
27.7597

262.9008,  
278.5475, 305.1928

15.1053, 16.1834,  
17.9072

314.3725,  
332.9476, 364.6652

8.9801, 9.6540,  
10.7146

372.1588,

4.7852, 5.1702,

394.0061, 431.4017

5.7635

436.6250,  
462.1071, 505.8206

■ 2.1552, 2.3474,  
2.6354

■ 0.7190, 0.7986,  
0.9106

■ 87.4728, 92.9668,  
102.1410

■ 87.4728, 92.9668,  
102.1410

■ 79.4832, 88.8510,  
101.7525

■ 91.7559, 95.1771,  
102.3599

■ 72.6010, 85.3034,  
101.4139

■ 91.7591, 95.1783,  
102.3765

■ 66.7797, 82.3028,  
101.1250

■ 91.7622, 95.1796,  
102.3932

■ 61.9667, 79.8220,  
100.8833

■ 91.7654, 95.1809,  
102.4098

■ 58.1045, 77.8313,  
100.6860

■ 91.7685, 95.1821,  
102.4265

■ 55.1302, 76.2984,  
100.5303

■ 91.7717, 95.1834,  
102.4431

■ 52.9732, 75.1867,  
100.4129

■ 91.7749, 95.1847,  
102.4598

■ 51.5520, 74.4545,  
100.3299

■ 91.7780, 95.1859,  
102.4765

■ 50.7687, 74.0510,  
100.2768

■ 91.7812, 95.1872,  
102.4931

# Harmonies

## Analogous

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



87.4332, 92.9668, 100.7389



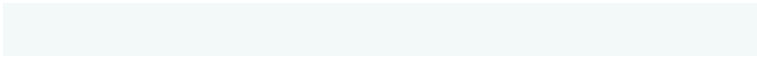
87.4728, 92.9668, 102.1410



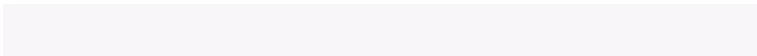
87.7502, 92.9668, 103.3078

# Triad

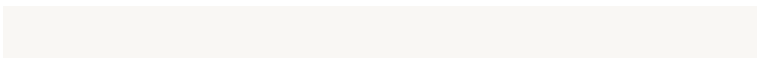
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.4728, 92.9668, 102.1410



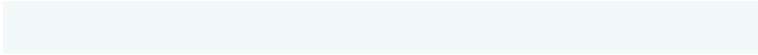
89.0864, 92.9668, 102.9919



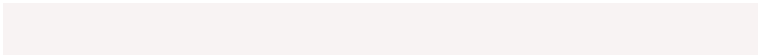
88.5323, 92.9668, 98.5786

# Complementary

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



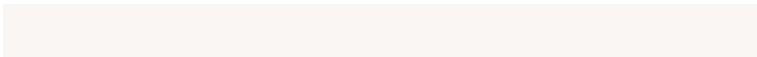
87.4728, 92.9668, 102.1410



86.9431, 90.5311, 97.6904

# 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.



88.9769, 92.9668, 99.1704



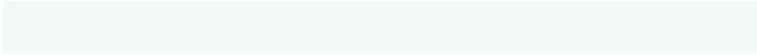
87.4728, 92.9668, 102.1410



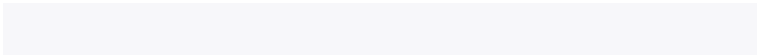
89.2977, 92.9668, 101.7128

# Square

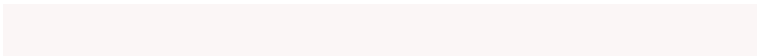
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



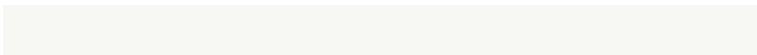
87.4728, 92.9668, 102.1410



88.6814, 92.9668, 103.8022



89.2575, 92.9668, 100.3146



88.0437, 92.9668, 98.6909



# Rectangle

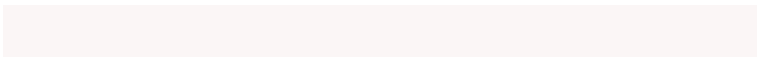
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



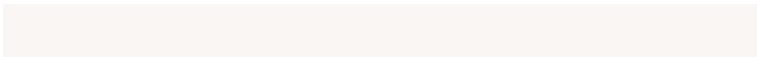
87.4728, 92.9668, 102.1410



88.0332, 92.9668, 103.7912



89.2575, 92.9668, 100.3146



88.6919, 92.9668, 98.7016

# Sweetspot

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



87.4754, 92.9708, 102.1430



94.1177, 99.5194, 108.8546



86.7386, 92.6794, 98.1126



20.1549, 21.3063, 23.2998



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.



87.4754, 92.9708, 102.1430



93.1978, 99.0453, 108.8098



86.7372, 91.4933, 101.9001



19.1157, 20.3045, 22.2963



27.2691, 39.9206, 54.1538

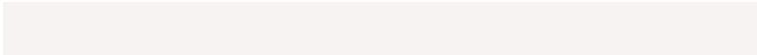


2.5258, 3.6974, 5.0166



# Inverse Universe

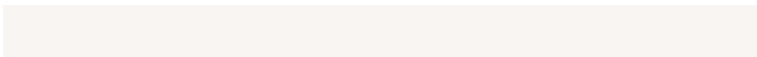
The Inverse Universe completely reimagines the original color for something new.



86.9431, 90.5311, 97.6904



92.6348, 96.4652, 104.1010



87.6711, 91.9881, 97.9300



19.0062, 19.8027, 21.3804



20.9128, 10.7808, 0.9831

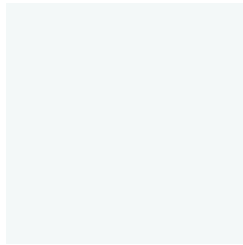


1.9371, 0.9986, 0.0921



# Previews

## White Background



This preview shows how the XYZ color 87.4728, 92.9668, 102.1410 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

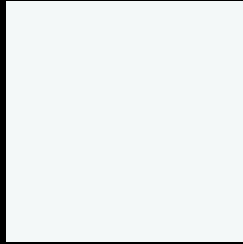
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 87.4728, 92.9668, 102.1410 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

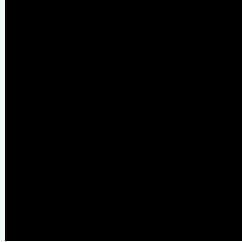
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

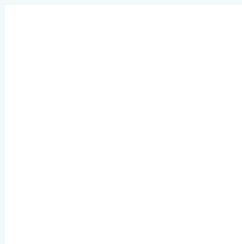
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 87.4728, 92.9668, 102.1410

## Background



This preview shows how black text looks on a background with the XYZ color 87.4728, 92.9668, 102.1410.



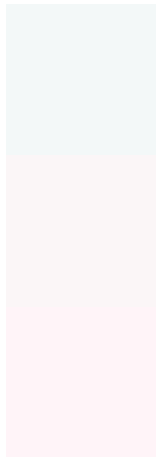
This preview shows how white text looks on a background with the XYZ color 87.4728, 92.9668,



# 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

87.4728, 92.9668, 102.1410

### Protanopia

89.5279, 93.1362, 101.2541

### Deuteranopia

90.5340, 92.7387, 101.9356

## **Tritanopia**

89.0118, 92.7244, 107.8139

# Trichromacy



**Original Color**

87.4728, 92.9668, 102.1410

**Protanomaly**

88.7607, 93.1934, 101.3056

**Deuteranomaly**

89.3793, 92.5914, 101.9681

**Tritanomaly**

88.4876, 92.9623, 105.3752

# Monochromacy



**Original Color**

87.4728, 92.9668, 102.1410

**Achromatopsia**

88.4070, 93.0111, 101.2891

**Achromatomaly**

88.0553, 92.8298, 101.2726

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.4728, 92.9668, 102.1410 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(243, 248, 248) looks like.

```
.text, #text, p{  
    color:rgb(243, 248, 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(243, 248, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 248, 248) }
```

## Border

The CSS property to change the border of an element to XYZ 87.4728, 92.9668, 102.1410 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(243, 248, 248) }
```



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

```
.border{ border-color:rgb(243, 248, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 248, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 248, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 248, 248);  
box-shadow:4px 4px 4px 4px rgb(243, 248,  
248) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.4728, 92.9668, 102.1410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 248, 248) }
```

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

```
.background{ background-color: rgb(243,  
248, 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](#).

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