

Converting Colors

XYZ(109.9812, 100.0000,
101.9512)

Have a look what the booklet for
XYZ(109.9812, 100.0000, 101.9512)
contains.

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Color

**XYZ(88.7578, 89.1864,
101.3436)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEEF8
RGB	255, 238, 248
RGB Percent	100%, 93%, 97%
CMY	0.0000, 0.0666, 0.0274
CMYK	0.00, 0.07, 0.03, 0.00
HSL	325°, 100%, 97%
HSV	325°, 7%, 100%
XYZ	88.7578, 89.1864, 101.3436
YIQ	244.2230, 6.9220, 6.7140

Conversions

Conversions Part 2

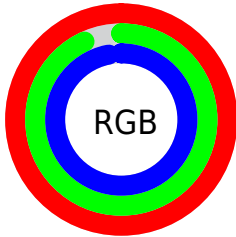
Format	Color
R_{YB}	255, 238, 248
Decimal	16772856
CIE _{Lab}	95.66, 7.43, -2.76
CIE _{LCh}	96, 7.929, 339.639
Yxy	89.1864, 0.3178, 0.3193
Android (android.graphics.Color)	4294962936 (0xFFFFEEF8)
YUV	244.2230, 1.8621, 9.4514
Hunter-Lab	94.4386, 2.4952, 2.4819

Details

The XYZ color **88.7578, 89.1864, 101.3436** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.5040, 96.2910, 100.3638**, and the grayscale version is **86.1511, 90.6377, 98.7044**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **49.5311, 49.2674, 56.7682** is the 20% darker color. If you saturate the color by 10%, you get **80.2695, 74.7441, 90.7010**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

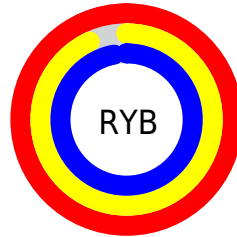
Distribution



Red (100%)

Green (93%)

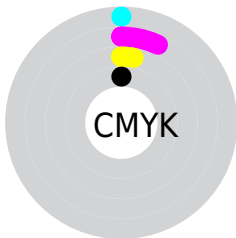
Blue (97%)



Red (100%)

Yellow (93%)

Blue (97%)

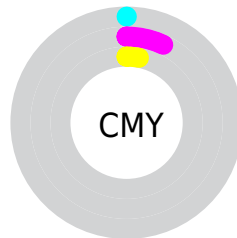


Cyan (0%)

Magenta (7%)

Yellow (3%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 88.7578, 89.1864, 101.3436 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 88.7578, 89.1864, 101.3436 by changing the saturation by 10% instead.


 88.7578, 89.1864,
101.3436

 88.7578, 89.1864,
101.3436


512.2800,
525.3807, 585.7753

 67.2837, 67.3060,
76.8000


144.4989,
146.2078, 165.0703

 49.5868, 49.3334,
56.5781


179.4965,
182.1175, 205.0905

 35.3016, 34.8840,
40.2595

219.7328,
223.4726, 251.1066

 24.0629, 23.5735,
27.4256


265.5729,
270.6573, 303.5372

 15.5053, 15.0176,
17.6579

317.3824,
324.0561, 362.8009

 9.2634, 8.8317,
10.5378

375.5265,

 4.9719, 4.6316,

384.0533, 429.3161

5.6467

440.3706,
451.0334, 503.5013

■ 2.2653, 2.0328,
2.5662

■ 0.7768, 0.6264,
0.8749

■ 88.7578, 89.1864,
101.3436

■ 88.7578, 89.1864,
101.3436

■ 80.2695, 74.7441,
90.7010

95.0500, 100.0000,
108.9000

■ 72.8766, 62.3492,
80.8659

■ 66.5326, 51.9106,
71.8167

■ 61.1852, 43.3261,
63.5282

■ 56.7771, 36.4839,
55.9734

■ 53.2453, 31.2605,
49.1231

■ 50.5182, 27.5154,
42.9450

■ 48.5123, 25.0844,
37.4027

■ 47.1227, 23.7608,
32.4523

Harmonies

Analogous

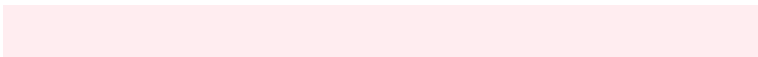
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.4699, 89.1864, 106.6448



88.7578, 89.1864, 101.3436



88.9669, 89.1864, 95.1135

Triad

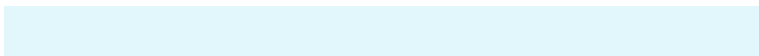
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.7578, 89.1864, 101.3436



84.0694, 89.1864, 85.7534



81.5835, 89.1864, 104.9663

Complementary

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



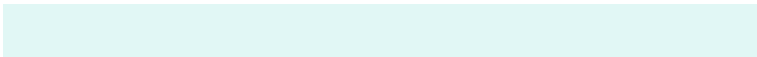
88.7578, 89.1864, 101.3436



87.5040, 96.2910, 100.3638

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.



80.7053, 89.1864, 99.1318



88.7578, 89.1864, 101.3436



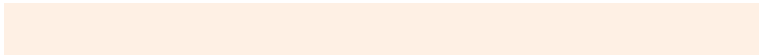
82.1242, 89.1864, 88.1589

Square

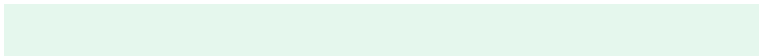
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



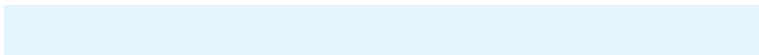
88.7578, 89.1864, 101.3436



86.2350, 89.1864, 86.2886



80.9015, 89.1864, 92.9937



83.3197, 89.1864, 108.7978

Rectangle

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



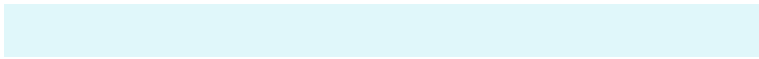
88.7578, 89.1864, 101.3436



88.4628, 89.1864, 91.2951



80.9015, 89.1864, 92.9937



81.1795, 89.1864, 103.1643

Sweetspot

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



88.7598, 89.1900, 101.3455



93.1082, 96.6545, 106.5937



86.2140, 87.7498, 107.0012



19.9493, 20.7231, 22.8397



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.



88.7598, 89.1900, 101.3455



87.5606, 87.1385, 99.8760



87.5007, 88.6864, 94.7152



18.4576, 18.1664, 21.0271



24.5008, 12.2896, 16.5536



2.4399, 1.2183, 1.8980

Inverse Universe

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



88.7598, 89.1900, 101.3455



87.5606, 87.1385, 99.8760



88.7995, 96.8092, 107.1856



18.4576, 18.1664, 21.0271



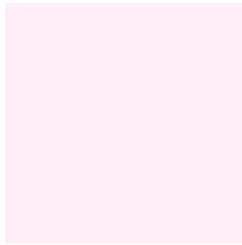
24.5008, 12.2896, 16.5536



2.4399, 1.2183, 1.8980

Previews

White Background



This preview shows how the XYZ color 88.7578, 89.1864, 101.3436 looks on a white background.

Color Contrast Check

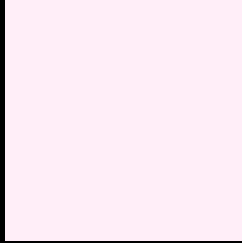
Large Text (above 18pt) WCAG AA × Fail

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 88.7578, 89.1864, 101.3436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

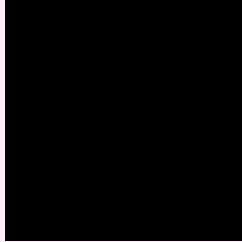
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 88.7578, 89.1864, 101.3436

Background



This preview shows how black text looks on a background with the XYZ color 88.7578, 89.1864, 101.3436.

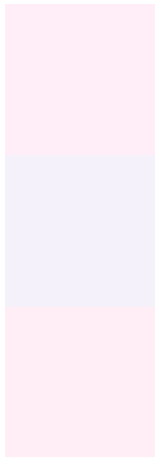


This preview shows how white text looks on a background with the XYZ color 88.7578, 89.1864,

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

88.7578, 89.1864, 101.3436

Protanopia

86.3668, 89.2252, 103.1126

Deuteranopia

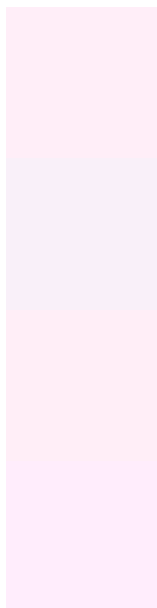
88.4491, 89.0629, 99.7179



Tritanopia

89.4136, 88.9841, 106.2290

Trichromacy



Original Color

88.7578, 89.1864, 101.3436

Protanomaly

87.3259, 89.2995, 102.2565

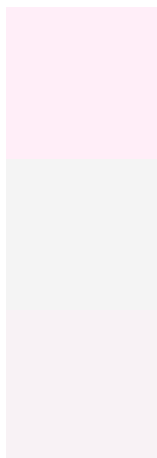
Deuteranomaly

88.6030, 89.1245, 100.5285

Tritanomaly

89.0949, 88.8566, 104.5507

Monochromacy



Original Color

88.7578, 89.1864, 101.3436

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

86.9450, 90.0533, 99.1857

CSS Examples

Text

The CSS property to change the color of the text to XYZ 88.7578, 89.1864, 101.3436 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(255, 238, 248)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 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(255, 238, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 248) }
```

Border

The CSS property to change the border of an element to XYZ 88.7578, 89.1864, 101.3436 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(255, 238, 248) }
```


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

```
.border{ border-color:rgb(255, 238, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 238, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 248);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 88.7578, 89.1864, 101.3436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 248) }
```

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

```
.background{ background-color: rgb(255,  
238, 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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