

# Converting Colors

XYZ(91.1675, 98.0798,  
105.0453)

Have a look what the booklet for  
XYZ(91.1675, 98.0798, 105.0453)  
contains.

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# **Color**

**XYZ(91.1786, 98.0779,  
105.3921)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6FFFB
RGB	246, 255, 251
RGB Percent	96%, 100%, 98%
CMY	0.0353, 0.0000, 0.0157
CMYK	0.04, 0.00, 0.02, 0.00
HSL	153°, 100%, 98%
HSV	153°, 4%, 100%
XYZ	91.1786, 98.0779, 105.3921
YIQ	251.8530, -4.0800, -3.1520

# Conversions

## Conversions Part 2

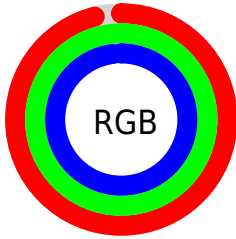
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	246, 252, 255
Decimal	16187387
CIE Lab	99.25, -3.65, 0.87
CIE LCh	99, 3.756, 166.591
Yxy	98.0779, 0.3094, 0.3329
Android (android.graphics.Color)	4294377467 (0xFF6FFFB)
YUV	251.8530, -0.4205, -5.1331
Hunter-Lab	99.0343, -8.9691, 6.2277

# Details

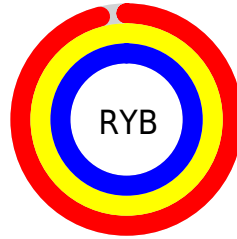
The XYZ color 91.1786, 98.0779, 105.3921 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 91.4515, 94.0746, 103.7805, and the grayscale version is 92.4097, 97.2222, 105.8750.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 51.2796, 55.2754, 59.5963 is the 20% darker color. If you saturate the color by 10%, you get 81.1067, 93.0858, 95.8751, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

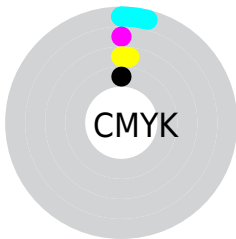
# Distribution



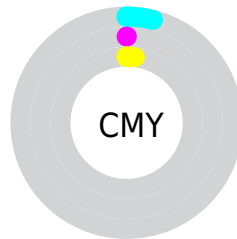
- Red (96%)
- Green (100%)
- Blue (98%)



- Red (96%)
- Yellow (99%)
- Blue (100%)



- Cyan (4%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)



- Cyan (4%)
- Magenta (0%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 91.1786, 98.0779, 105.3921 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 91.1786, 98.0779, 105.3921 by changing the saturation by 10% instead.



91.1786, 98.0779,  
105.3921

91.1786, 98.0779,  
105.3921

520.0383,  
553.9723, 598.7391

69.2981, 74.6993,  
80.1694

147.8445,  
158.5101, 170.6639

51.2320, 55.3666,  
59.3308

183.3606,  
196.3325, 211.5501

36.6151, 39.6953,  
42.4577

224.1525,  
239.7383, 258.4945

25.0819, 27.3011,  
29.1316

270.5858,  
289.1119, 311.9157

16.2672, 17.7995,  
18.9340

323.0256,  
344.8377, 372.2322

9.8054, 10.8061,  
11.4462

381.8374,

5.3314, 5.9366,

407.3002, 439.8626

6.2499

447.3865,  
476.8835, 515.2253

■ 2.4797, 2.8066,  
2.9264

■ 0.8851, 1.0316,  
1.0572

■ 91.1786, 98.0779,  
105.3921

■ 91.1786, 98.0779,  
105.3921

■ 81.1067, 93.0858,  
95.8751

95.0500, 100.0000,  
108.9000

■ 72.3171, 88.7427,  
86.9651

■ 64.7559, 85.0209,  
78.6510

■ 58.3637, 81.8902,  
70.9199

■ 53.0766, 79.3176,  
63.7582

■ 48.8238, 77.2670,  
57.1518

■ 45.5260, 75.6978,  
51.0857

■ 43.0917, 74.5630,  
45.5442

■ 41.4096, 73.8055,  
40.5098

# Harmonies

## Analogous

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



91.6926, 98.0779, 102.6829



91.1786, 98.0779, 105.3921



91.2085, 98.0779, 108.5284

# Triad

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



91.1786, 98.0779, 105.3921



93.8251, 98.0779, 112.6988



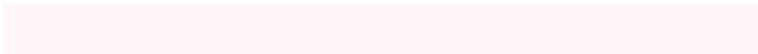
94.6806, 98.0779, 102.4516

# Complementary

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



91.1786, 98.0779, 105.3921



91.4515, 94.0746, 103.7805

# 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.



95.2610, 98.0779, 105.0706



91.1786, 98.0779, 105.3921



94.7645, 98.0779, 111.0055

# Square

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



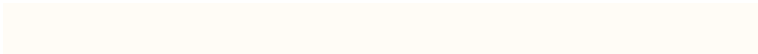
91.1786, 98.0779, 105.3921



92.7307, 98.0779, 112.7890



95.2919, 98.0779, 108.2005



93.7113, 98.0779, 101.0079



# Rectangle

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



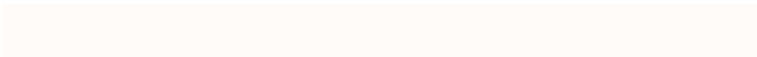
91.1786, 98.0779, 105.3921



91.5328, 98.0779, 110.4403



95.2919, 98.0779, 108.2005



94.9280, 98.0779, 103.2213

# Sweetspot

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



91.1795, 98.0783, 105.3936



93.9361, 99.4468, 107.8985



91.8374, 98.5073, 101.3635



20.1179, 21.2915, 23.1053



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.



91.1795, 98.0783, 105.3936



90.6753, 97.8280, 104.9313



91.6732, 98.0464, 108.7009



19.2373, 20.8544, 22.3022



21.3011, 38.4171, 20.0029



2.1290, 3.7625, 2.2374



# Inverse Universe

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



91.4515, 94.0746, 103.7805



90.9827, 93.3042, 103.1085



90.9681, 94.1005, 100.5587



19.3150, 19.7098, 21.8411



23.1875, 11.7643, 9.6380



2.3116, 1.1670, 1.2226



# Previews

## White Background



This preview shows how the XYZ color 91.1786, 98.0779, 105.3921 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

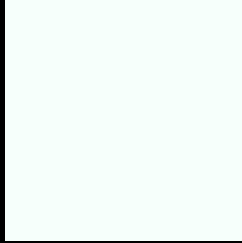
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 91.1786, 98.0779, 105.3921 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

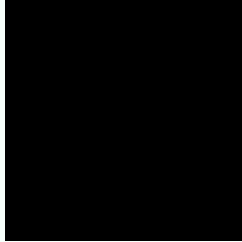
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 91.1786, 98.0779, 105.3921

## Background



This preview shows how black text looks on a background with the XYZ color 91.1786, 98.0779, 105.3921.



This preview shows how white text looks on a background with the XYZ color 91.1786, 98.0779,



# 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

91.1786, 98.0779, 105.3921

### Protanopia

93.4630, 97.8458, 105.2269

### Deuteranopia

93.7800, 97.9727, 106.8964

## **Tritanopia**

93.3202, 98.1660, 108.6372

# Trichromacy

## Original Color

91.1786, 98.0779, 105.3921

## Protanomaly

92.6828, 97.9110, 105.2806

## Deuteranomaly

92.8409, 97.9743, 106.1132

## Tritanomaly

92.7555, 98.3634, 107.8632

# Monochromacy

## Original Color

91.1786, 98.0779, 105.3921

## Achromatopsia

92.5260, 97.3445, 106.0082

## Achromatomaly

92.1203, 97.6028, 106.0794

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 91.1786, 98.0779, 105.3921 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(246, 255, 251)` looks like.

```
.text, #text, p{  
    color:rgb(246, 255, 251)  
}
```

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(246, 255, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 255, 251) }
```

## Border

The CSS property to change the border of an element to XYZ 91.1786, 98.0779, 105.3921 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(246, 255, 251) }
```



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

```
.border{ border-color:rgb(246, 255, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 255, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 255, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 255, 251);  
box-shadow:4px 4px 4px 4px rgb(246, 255,  
251) }
```

# Background

The CSS property to change the background color of an element to XYZ 91.1786, 98.0779, 105.3921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 255, 251) }
```

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

```
.background{ background-color: rgb(246,  
255, 251) }
```

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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