

# Converting Colors

XYZ(90.4519, 91.5137,  
105.1789)

Have a look what the booklet for  
XYZ(90.4519, 91.5137, 105.1789)  
contains.

<b>XYZ(90.5628, 91.7925, 105.0400)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(90.5628, 91.7925,  
105.0400)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF2FC
RGB	255, 242, 252
RGB Percent	100%, 95%, 99%
CMY	0.0000, 0.0510, 0.0118
CMYK	0.00, 0.05, 0.01, 0.00
HSL	314°, 100%, 97%
HSV	314°, 5%, 100%
XYZ	90.5628, 91.7925, 105.0400
YIQ	247.0270, 4.5380, 5.8660

# Conversions

## Conversions Part 2

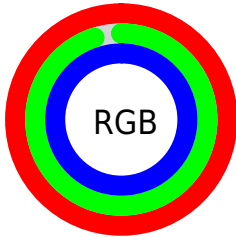
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 242, 252
Decimal	16773884
CIE Lab	96.74, 6.08, -3.25
CIE LCh	97, 6.894, 331.898
Yxy	91.7925, 0.3151, 0.3194
Android (android.graphics.Color)	4294963964 (0xFFFFF2FC)
YUV	247.0270, 2.4517, 6.9923
Hunter-Lab	95.8084, 1.0622, 2.0630

# Details

The XYZ color **90.5628, 91.7925, 105.0400** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **88.8621, 96.9911, 100.4273**, and the grayscale version is **88.4100, 93.0142, 101.2925**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **50.6979, 51.0637, 58.8140** is the 20% darker color. If you saturate the color by 10%, you get **82.5783, 77.2924, 97.8500**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

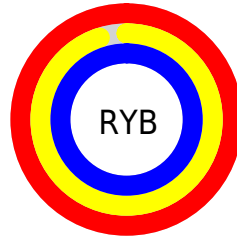
# Distribution



Red (100%)

Green (95%)

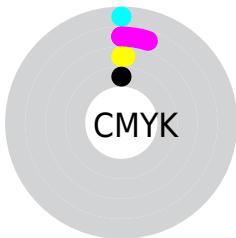
Blue (99%)



Red (100%)

Yellow (95%)

Blue (99%)

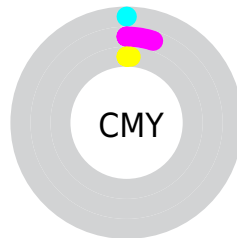


Cyan (0%)

Magenta (5%)

Yellow (1%)

Black (0%)



Cyan (0%)

Magenta (5%)

Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 90.5628, 91.7925, 105.0400 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 90.5628, 91.7925, 105.0400 by changing the saturation by 10% instead.



90.5628, 91.7925,  
105.0400

90.5628, 91.7925,  
105.0400

518.0706,  
533.8447, 597.6175

68.7853, 69.4683,  
79.8760

146.9943,  
149.8258, 170.1783

50.8129, 51.0932,  
59.0908

182.3790,  
186.3036, 210.9897

36.2802, 36.2828,  
42.2657

223.0302,  
228.2682, 257.8539

24.8218, 24.6527,  
28.9823

269.3132,  
276.1037, 311.1896

16.0723, 15.8185,  
18.8219

321.5934,  
330.1948, 371.4153

9.6665, 9.3958,  
11.3662

380.2361,

5.2390, 5.0002,

390.9257, 438.9495

6.1964

445.6067,  
458.6809, 514.2107

■ 2.4243, 2.2474,  
2.8942

■ 0.8573, 0.7457,  
1.0409

■ 90.5628, 91.7925,  
105.0400

■ 90.5628, 91.7925,  
105.0400

■ 82.5783, 77.2924,  
97.8500

95.0500, 100.0000,  
108.9000

■ 75.6350, 64.8293,  
91.1469

■ 69.6881, 54.3138,  
84.9159

■ 64.6872, 45.6452,  
79.1389

■ 60.5774, 38.7142,  
73.7961

■ 57.2979, 33.3997,  
68.8661

■ 54.7801, 29.5651,  
64.3245

■ 52.9442, 27.0509,  
60.1435

■ 51.6917, 25.6610,  
56.2887

# Harmonies

## Analogous

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



89.2230, 91.7925, 109.2499



90.5628, 91.7925, 105.0400



91.0102, 91.7925, 99.5946

# Triad

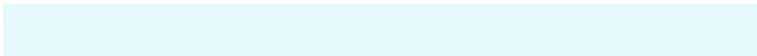
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.5628, 91.7925, 105.0400



87.1231, 91.7925, 89.6898



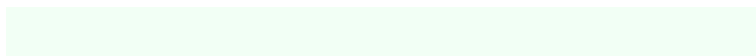
84.1312, 91.7925, 105.6720

# Complementary

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



90.5628, 91.7925, 105.0400



88.8621, 96.9911, 100.4273

# 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.



83.5871, 91.7925, 100.2991



90.5628, 91.7925, 105.0400



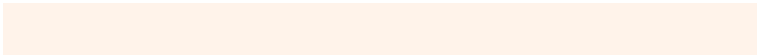
85.2985, 91.7925, 91.1867

# Square

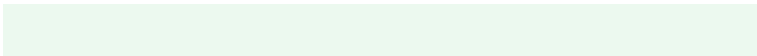
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



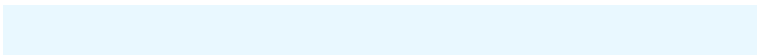
90.5628, 91.7925, 105.0400



89.0069, 91.7925, 90.8558



84.0112, 91.7925, 95.0202



85.5085, 91.7925, 109.6241

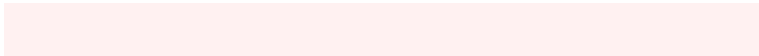


# Rectangle

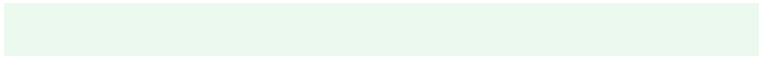
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



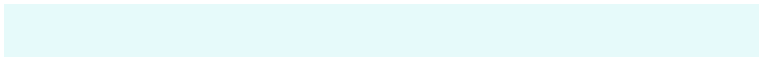
90.5628, 91.7925, 105.0400



90.7370, 91.7925, 96.0323



84.0112, 91.7925, 95.0202



83.8457, 91.7925, 103.9655

# Sweetspot

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



90.5648, 91.7962, 105.0420



93.2556, 96.7135, 107.3700



87.3978, 90.1081, 107.3940



19.9793, 20.7351, 22.9977



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

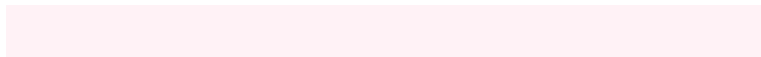
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.5648, 91.7962, 105.0420



89.7986, 90.3984, 104.3711



89.5805, 91.4024, 99.8586



19.1033, 19.1352, 22.2365



26.8246, 13.2191, 28.7906



2.6533, 1.3037, 3.0219



# Inverse Universe

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



90.5648, 91.7962, 105.0420



89.7986, 90.3984, 104.3711



89.8428, 97.3834, 105.5918



19.1033, 19.1352, 22.2365



26.8246, 13.2191, 28.7906

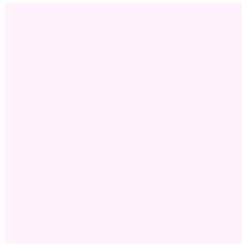


2.6533, 1.3037, 3.0219



# Previews

## White Background



This preview shows how the XYZ color 90.5628, 91.7925, 105.0400 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

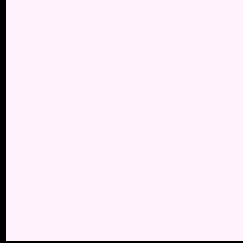
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 90.5628, 91.7925, 105.0400 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

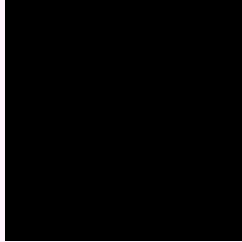
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 90.5628, 91.7925, 105.0400

## Background



This preview shows how black text looks on a background with the XYZ color 90.5628, 91.7925, 105.0400.



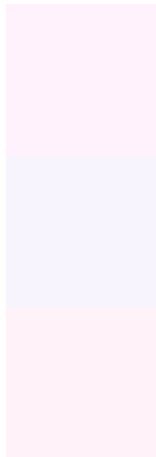
This preview shows how white text looks on a background with the XYZ color 90.5628, 91.7925,



# 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

90.5628, 91.7925, 105.0400

### Protanopia

88.7917, 91.7497, 105.9581

### Deuteranopia

90.0910, 91.6038, 102.5555



## Tritanopia

90.3101, 91.6069, 107.5298

# Trichromacy



**Original Color**

90.5628, 91.7925, 105.0400

**Protanomaly**

89.5639, 91.7023, 105.9083

**Deuteranomaly**

90.2474, 91.6664, 103.3793

**Tritanomaly**

90.5146, 91.7308, 106.7011

# Monochromacy



**Original Color**

90.5628, 91.7925, 105.0400

**Achromatopsia**

88.4070, 93.0111, 101.2891

**Achromatomaly**

89.1756, 92.4684, 102.7707

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 90.5628, 91.7925, 105.0400 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, 242, 252)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 252)  
}
```

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, 242, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 252) }
```

## Border

The CSS property to change the border of an element to XYZ 90.5628, 91.7925, 105.0400 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, 242, 252) }
```



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

```
.border{ border-color:rgb(255, 242, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 242, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 252);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
252) }
```

# Background

The CSS property to change the background color of an element to XYZ 90.5628, 91.7925, 105.0400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 252) }
```

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

```
.background{ background-color: rgb(255,  
242, 252) }
```

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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