

Converting Colors

XYZ(102.5776, 96.4435,
106.4966)

Have a look what the booklet for
XYZ(102.5776, 96.4435, 106.4966)
contains.

XYZ(89.8361, 90.0849, 105.5817)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(89.8361, 90.0849,
105.5817)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEFFD
RGB	255, 239, 253
RGB Percent	100%, 94%, 99%
CMY	0.0000, 0.0627, 0.0078
CMYK	0.00, 0.06, 0.01, 0.00
HSL	307°, 100%, 97%
HSV	307°, 6%, 100%
XYZ	89.8361, 90.0849, 105.5817
YIQ	245.3800, 5.0420, 7.7460

Conversions

Conversions Part 2

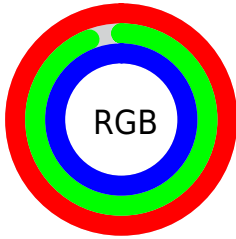
Format	Color
R _Y B	255, 239, 253
Decimal	16773117
CIE Lab	96.03, 7.79, -4.80
CIE LCh	96, 9.153, 328.376
Yxy	90.0849, 0.3147, 0.3155
Android (android.graphics.Color)	4294963197 (0xFFFEFFD)
YUV	245.3800, 3.7567, 8.4367
Hunter-Lab	94.9131, 2.8540, 0.4847

Details

The XYZ color **89.8361, 90.0849, 105.5817** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.2365, 96.2229, 97.1977**, and the grayscale version is **87.0667, 91.6010, 99.7534**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **50.1860, 49.8583, 59.2031** is the 20% darker color. If you saturate the color by 10%, you get **82.3881, 75.9940, 100.6167**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

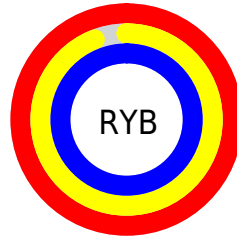
Distribution



Red (100%)

Green (94%)

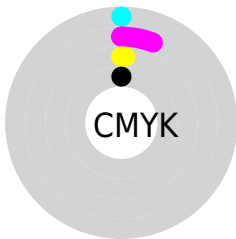
Blue (99%)



Red (100%)

Yellow (94%)

Blue (99%)

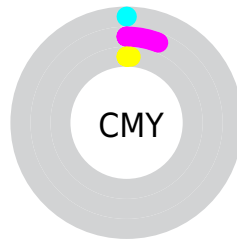


Cyan (0%)

Magenta (6%)

Yellow (1%)

Black (0%)



Cyan (0%)


Magenta (6%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 89.8361, 90.0849, 105.5817 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 89.8361, 90.0849, 105.5817 by changing the saturation by 10% instead.


 89.8361, 90.0849,
105.5817

 89.8361, 90.0849,
105.5817


515.7434,
528.3070, 599.3426

 68.1805, 68.0511,
80.3274


145.9902,
147.4563, 170.9253

 50.3188, 49.9393,
59.4601


181.2195,
183.5627, 211.8517

 35.8856, 35.3652,
42.5611

221.7040,
225.1287, 258.8393

 24.5156, 23.9443,
29.2121

267.8092,
272.5387, 312.3064

 15.8433, 15.2923,
18.9944

319.9004,
326.1772, 372.6718

 9.5035, 9.0248,
11.4894

378.3429,

 5.1307, 4.7574,

386.4284, 440.3539

6.2788

443.5021,
453.6769, 515.7713

■ 2.3597, 2.1056,
2.9438

■ 0.8250, 0.6678,
1.0660

■ 89.8361, 90.0849,
105.5817

■ 89.8361, 90.0849,
105.5817

■ 82.3881, 75.9940,
100.6167

95.0500, 100.0000,
108.9000

■ 75.9558, 63.9216,
96.0306

■ 70.4943, 53.7772,
91.8096

■ 65.9528, 45.4596,
87.9364

■ 62.2761, 38.8582,
84.3926

■ 59.4029, 33.8504,
81.1574

■ 57.2636, 30.2974,
78.2075

■ 55.7770, 28.0368,
75.5155

■ 54.8419, 26.8658,
73.0475

Harmonies

Analogous

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



87.9578, 90.0849, 110.8743



89.8361, 90.0849, 105.5817



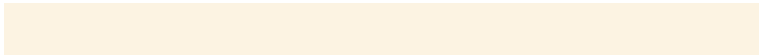
90.5826, 90.0849, 98.4828

Triad

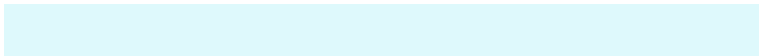
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.8361, 90.0849, 105.5817



85.7611, 90.0849, 84.7986



81.4102, 90.0849, 104.8644

Complementary

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



89.8361, 90.0849, 105.5817



87.2365, 96.2229, 97.1977

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.



80.8478, 90.0849, 97.6925



89.8361, 90.0849, 105.5817



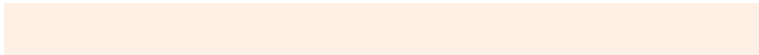
83.3298, 90.0849, 86.3230

Square

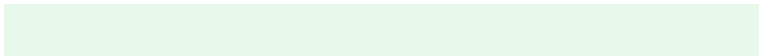
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



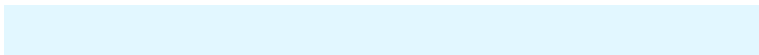
89.8361, 90.0849, 105.5817



88.2014, 90.0849, 86.6864



81.5437, 90.0849, 90.9559



83.0954, 90.0849, 110.4460

Rectangle

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



89.8361, 90.0849, 105.5817



90.3272, 90.0849, 93.7566



81.5437, 90.0849, 90.9559



81.0851, 90.0849, 102.5490

Sweetspot

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



89.8381, 90.0885, 105.5836



93.3421, 96.7481, 107.8254



85.1502, 87.6348, 107.0351



19.9969, 20.7421, 23.0904



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.



89.8381, 90.0885, 105.5836



88.4762, 87.5048, 104.6975



88.6107, 89.5975, 99.1197



18.6892, 18.2590, 22.2465



28.5565, 13.9119, 37.9107



2.8067, 1.3650, 3.8293

Inverse Universe

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



89.8381, 90.0885, 105.5836



88.4762, 87.5048, 104.6975



88.4371, 96.7032, 103.5199



18.6892, 18.2590, 22.2465



28.5565, 13.9119, 37.9107



2.8067, 1.3650, 3.8293

Previews

White Background



This preview shows how the XYZ color 89.8361, 90.0849, 105.5817 looks on a white background.

Color Contrast Check

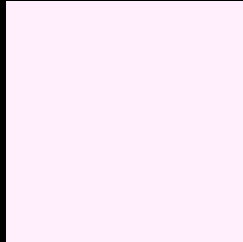
Large Text (above 18pt) WCAG AA × Fail

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 89.8361, 90.0849, 105.5817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

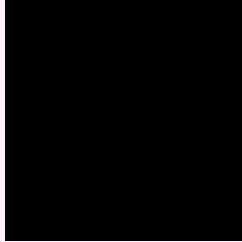
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 89.8361, 90.0849, 105.5817

Background



This preview shows how black text looks on a background with the XYZ color 89.8361, 90.0849, 105.5817.



This preview shows how white text looks on a background with the XYZ color 89.8361, 90.0849,

105.5317.

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

89.8361, 90.0849, 105.5817

Protanopia

87.4583, 90.1367, 107.3963

Deuteranopia

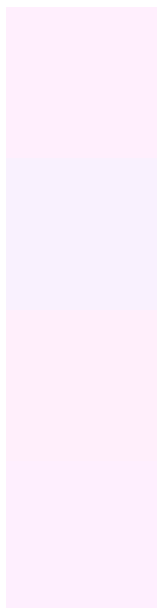
89.3618, 89.8951, 103.0841



Tritanopia

89.7896, 90.0238, 107.2517

Trichromacy



Original Color

89.8361, 90.0849, 105.5817

Protanomaly

88.4116, 90.2061, 106.5177

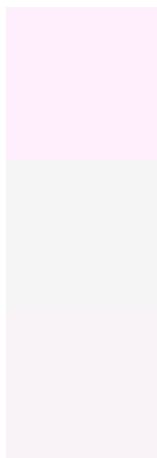
Deuteranomaly

89.5191, 89.9580, 103.9123

Tritanomaly

89.6289, 89.9596, 106.4059

Monochromacy



Original Color

89.8361, 90.0849, 105.5817

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

88.0608, 91.0182, 101.7339

CSS Examples

Text

The CSS property to change the color of the text to XYZ 89.8361, 90.0849, 105.5817 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, 239, 253)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 253)  
}
```

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, 239, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 253) }
```

Border

The CSS property to change the border of an element to XYZ 89.8361, 90.0849, 105.5817 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, 239, 253) }
```


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

```
.border{ border-color:rgb(255, 239, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 239, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 253);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 89.8361, 90.0849, 105.5817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 253) }
```

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

```
.background{ background-color: rgb(255,  
239, 253) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor