

Converting Colors

XYZ(85.7198, 81.8732,
104.1448)

Have a look what the booklet for
XYZ(85.7198, 81.8732, 104.1448)
contains.

XYZ(85.6253, 81.6632, 104.1781)	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(85.6253, 81.6632,
104.1781)**

Conversions

Conversions Part 1	
Format	Color
Hex	FFE0FD
RGB	255, 224, 253
RGB Percent	100%, 88%, 99%
CMY	0.0000, 0.1215, 0.0078
CMYK	0.00, 0.12, 0.01, 0.00
HSL	304°, 100%, 94%
HSV	304°, 12%, 100%
XYZ	85.6253, 81.6632, 104.1781
YIQ	236.5750, 9.1670, 15.5910

Conversions

Conversions Part 2

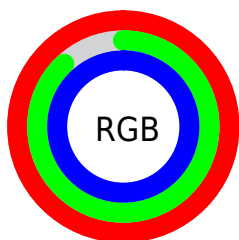
Format	Color
RYB	255, 224, 253
Decimal	16769277
CIELab	92.43, 15.55, -10.14
CIELCh	92, 18.559, 326.899
Yxy	81.6632, 0.3154, 0.3008
Android (android.graphics.Color)	4294959357 (0xFFFFE0FD)
YUV	236.5750, 8.0975, 16.1587
Hunter-Lab	90.3677, 10.9891, -5.0936

Details

The XYZ color 85.6253, 81.6632, 104.1781 is a light color, and the websafe version is hex FFCCFF. A complement of this color would be 80.2304, 92.8595, 85.6498, and the grayscale version is 80.1062, 84.2779, 91.7787.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 47.4405, 44.3672, 58.2879 is the 20% darker color. If you saturate the color by 10%, you get 79.0189, 68.8674, 100.6902, and if you desaturate by 10%, it is 93.2653, 96.5217, 108.0240.

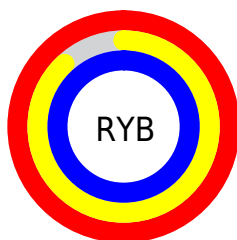
Distribution



Red (100%)

Green (88%)

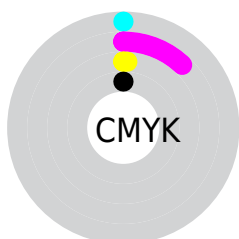
Blue (99%)



Red (100%)

Yellow (88%)

Blue (99%)

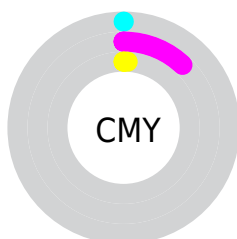


Cyan (0%)

Magenta (12%)

Yellow (1%)

Black (0%)



Cyan (0%)


Magenta (12%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.6253, 81.6632, 104.1781 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 85.6253, 81.6632, 104.1781 by changing the saturation by 10% instead.


 85.6253, 81.6632,
104.1781

 85.6253, 81.6632,
104.1781


502.1474,
500.5204, 594.8673

 64.6824, 61.0880,
79.1581

140.1560,
135.7016, 168.9889

 47.4673, 44.2962,
58.5038


174.4745,
169.9335, 209.6168

 33.6148, 30.9034,
41.7964


213.9823,
209.4865, 256.2844

 22.7593, 20.5253,
28.6175

259.0447,
254.7449, 309.4103

 14.5356, 12.7775,
18.5486

310.0270,
306.0931, 369.4130

 8.5783, 7.2755,
11.1711


367.2947,


 4.5220, 3.6350,


363.9154, 436.7110


6.0664


431.2131,
428.5964, 511.7229


 2.0015, 1.4715,
2.8161


 0.6348, 0.2686,
1.0015

 85.6253, 81.6632,
104.1781


 85.6253, 81.6632,
104.1781


 79.0189, 68.8674,
100.6902

 93.2653, 96.5217,
108.0240

 73.3950, 58.0335,
97.5398

95.0500, 100.0000,
108.9000

 68.7065, 49.0667,
94.7122

 64.9000, 41.8604,
92.1897

61.9170, 36.2975,
89.9528

59.6917, 32.2465,
87.9794

58.1485, 29.5559,
86.2443

57.1957, 28.0427,
84.7170

56.7546, 27.4658,
83.6286

Harmonies

Analogous

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



81.8776, 81.6632, 114.6874



85.6253, 81.6632, 104.1781



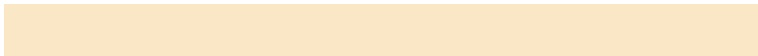
87.2229, 81.6632, 90.3575

Triad

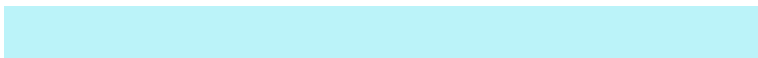
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.6253, 81.6632, 104.1781



78.1197, 81.6632, 65.0083



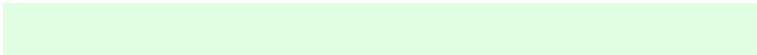
69.6605, 81.6632, 101.4450

Complementary

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



85.6253, 81.6632, 104.1781



80.2304, 92.8595, 85.6498

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.



68.7463, 81.6632, 87.4926



85.6253, 81.6632, 104.1781



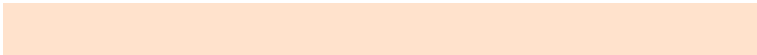
73.5096, 81.6632, 67.3293

Square

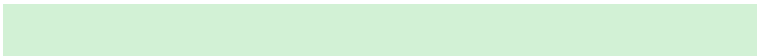
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



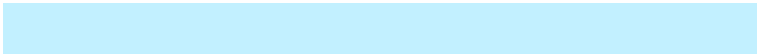
85.6253, 81.6632, 104.1781



82.7786, 81.6632, 68.5263



70.1269, 81.6632, 75.2248



72.6773, 81.6632, 112.9984

Rectangle

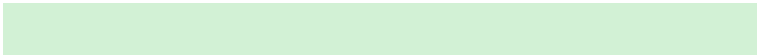
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.6253, 81.6632, 104.1781



86.8065, 81.6632, 81.4391



70.1269, 81.6632, 75.2248



69.1027, 81.6632, 96.8400

Sweetspot

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



85.6271, 81.6664, 104.1798



91.7762, 93.6216, 107.2872



75.9321, 76.6315, 105.3970



19.5162, 19.7903, 22.9004



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.



85.6271, 81.6664, 104.1798



83.6438, 77.8191, 103.1514



83.3230, 80.7448, 92.0466



18.7391, 18.2790, 22.5093



29.6771, 14.3601, 43.8117



2.9042, 1.4041, 4.3431

Inverse Universe

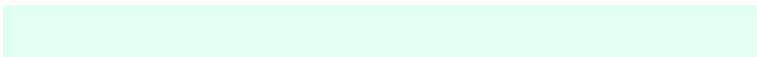
The Inverse Universe completely reimagines the original color for something new.



85.6271, 81.6664, 104.1798



83.6438, 77.8191, 103.1514



82.3874, 93.7223, 97.0083



18.7391, 18.2790, 22.5093



29.6771, 14.3601, 43.8117



2.9042, 1.4041, 4.3431

Previews

White Background



This preview shows how the XYZ color 85.6253, 81.6632, 104.1781 looks on a white background.

Color Contrast Check

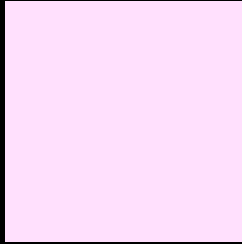
Large Text (above 18pt) WCAG AA × Fail

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 85.6253, 81.6632, 104.1781 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

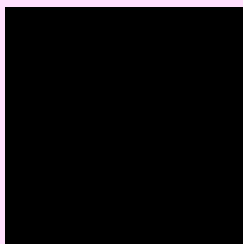
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.6253, 81.6632, 104.1781

Background



This preview shows how black text looks on a background with the XYZ color 85.6253, 81.6632, 104.1781.

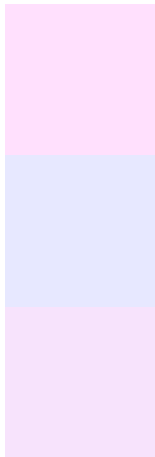


This preview shows how white text looks on a background with the XYZ color 85.6253, 81.6632,

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

85.6253, 81.6632, 104.1781

Protanopia

79.8616, 81.9221, 106.2111

Deuteranopia

83.3975, 81.7406, 103.4775



Tritanopia

84.2471, 81.9346, 96.1687

Trichromacy

	Original Color 85.6253, 81.6632, 104.1781
	Protanomaly 81.8439, 81.7196, 105.2258
	Deuteranomaly 84.1914, 81.7450, 103.4365
	Tritanomaly 84.5868, 81.6367, 99.2949

Monochromacy

	Original Color 85.6253, 81.6632, 104.1781
	Achromatopsia 80.4953, 84.6873, 92.2245
	Achromatomaly 82.3425, 83.4174, 96.5553

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.6253, 81.6632, 104.1781 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, 224, 253) looks like.

```
.text, #text, p{  
    color:rgb(255, 224, 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, 224, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 224, 253) }
```

Border

The CSS property to change the border of an element to XYZ 85.6253, 81.6632, 104.1781 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, 224, 253) }
```


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

```
.border{ border-color:rgb(255, 224, 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, 224, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 224, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 224, 253);  
box-shadow:4px 4px 4px 4px rgb(255, 224,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 85.6253, 81.6632, 104.1781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 224, 253) }
```

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

```
.background{ background-color: rgb(255,  
224, 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