

Converting Colors

XYZ(64.8444, 55.8879,
101.9775)

Have a look what the booklet for
XYZ(64.8444, 55.8879, 101.9775)
contains.

XYZ(64.6981, 55.7973, 101.9677)	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(64.6981, 55.7973,
101.9677)**

Conversions

Conversions Part 1

Format	Color
Hex	DEB5FF
RGB	222, 181, 255
RGB Percent	87%, 71%, 100%
CMY	0.1294, 0.2902, 0.0000
CMYK	0.13, 0.29, 0.00, 0.00
HSL	273°, 100%, 85%
HSV	273°, 29%, 100%
XYZ	64.6981, 55.7973, 101.9677
YIQ	201.6950, 0.6820, 31.7060

Conversions

Conversions Part 2

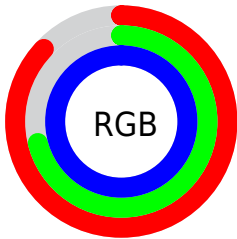
Format	Color
R _Y B	222, 181, 255
Decimal	14595583
CIE Lab	79.50, 28.20, -31.02
CIE LCh	79, 41.924, 312.275
Yxy	55.7973, 0.2908, 0.2508
Android (android.graphics.Color)	4292785663 (0xFFDEB5FF)
YUV	201.6950, 26.2794, 17.8075
Hunter-Lab	74.6976, 23.8841, -28.6469

Details

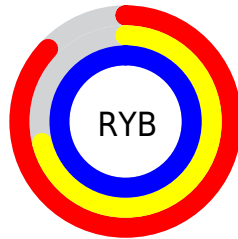
The XYZ color **64.6981, 55.7973, 101.9677** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **71.8331, 89.1528, 57.1407**, and the grayscale version is **55.7918, 58.6973, 63.9214**.

A 20% lighter version of the original color is **89.5742, 89.0484, 107.0747**, and **33.6381, 27.6226, 56.9848** is the 20% darker color. If you saturate the color by 10%, you get **56.6139, 44.6254, 100.2374**, and if you desaturate by 10%, it is **73.9695, 68.9926, 104.0260**.

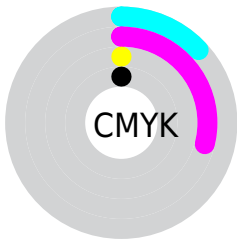
Distribution



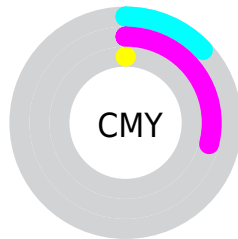
- Red (87%)
- Green (71%)
- Blue (100%)



- Red (87%)
- Yellow (71%)
- Blue (100%)



- Cyan (13%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.6981, 55.7973, 101.9677 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 64.6981, 55.7973, 101.9677 by changing the saturation by 10% instead.

64.6981, 55.7973,
101.9677

64.6981, 55.7973,
101.9677

431.2687,
408.9272, 587.7835

47.4801, 40.0404,
77.3188

110.6838, 98.7081,
165.9340

33.6249, 27.5701,
57.0015

140.1823,
126.6309, 206.0886

22.7671, 18.0018,
40.5971

174.5049,
159.3778, 252.2488

14.5414, 10.9513,
27.6870

214.0172,
197.3331, 304.8332

8.5824, 6.0341,
17.8529

259.0843,
240.8813, 364.2603

4.5247, 2.8658,
10.6761

310.0717,

2.0031, 1.0621,

290.4068, 430.9487

5.7380

367.3447,
346.2939, 505.3170

■ 0.6357, 0.0000,
2.6203

■ 0.0000, 0.0000,
0.9029

■ 64.6981, 55.7973,
101.9677

■ 64.6981, 55.7973,
101.9677

■ 56.6139, 44.6254,
100.2374

■ 73.9695, 68.9926,
104.0260

■ 49.6554, 35.3641,
98.8166

■ 84.4753, 84.3025,
106.4274

■ 43.7628, 27.8997,
97.6864

95.0500, 100.0000,
108.9000

■ 38.8679, 22.1031,
96.8255

■ 34.8935, 17.8274,
96.2097

■ 31.7488, 14.8986,
95.8101

■ 29.3017, 13.0608,
95.5844

■ 29.0831, 12.9078,
95.5663

Harmonies

Analogous

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



56.5540, 55.7973, 118.3189



64.6981, 55.7973, 101.9677



70.0146, 55.7973, 76.0059

Triad

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



64.6981, 55.7973, 101.9677



58.1215, 55.7973, 26.4033



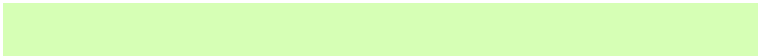
38.7233, 55.7973, 71.1643

Complementary

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



64.6981, 55.7973, 101.9677



71.8331, 89.1528, 57.1407

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.



39.0475, 55.7973, 47.6921



64.6981, 55.7973, 101.9677



49.6625, 55.7973, 25.7535

Square

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



64.6981, 55.7973, 101.9677



65.9499, 55.7973, 34.5773



42.8629, 55.7973, 32.4786



41.9246, 55.7973, 97.6246

Rectangle

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



64.6981, 55.7973, 101.9677



70.9289, 55.7973, 58.9299



42.8629, 55.7973, 32.4786



38.4340, 55.7973, 62.6149

Sweetspot

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



64.6998, 55.7996, 101.9681



84.4952, 84.3317, 106.4320



61.2303, 65.2907, 103.9829



17.7413, 17.5446, 22.7013



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.



64.6998, 55.7996, 101.9681



59.7239, 48.8790, 100.8945



75.2247, 61.2936, 99.3812



17.9655, 17.8739, 22.7531



15.3711, 6.8346, 49.9436



1.6224, 0.7303, 4.8687

Inverse Universe

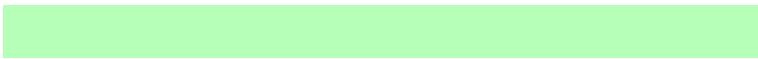
The Inverse Universe completely reimagines the original color for something new.



69.9026, 59.1647, 71.3553



65.9168, 52.8760, 64.8382



63.5429, 84.8346, 58.7611



18.3460, 18.1217, 20.4392



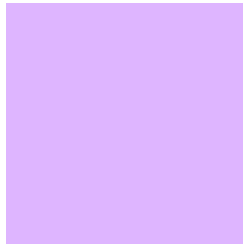
23.1999, 11.7692, 9.7029



2.3129, 1.1675, 1.2291

Previews

White Background



This preview shows how the XYZ color 64.6981, 55.7973, 101.9677 looks on a white background.

Color Contrast Check

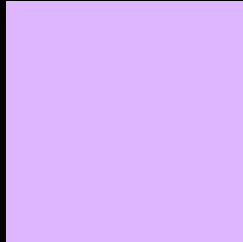
Large Text (above 18pt) WCAG AA × Fail

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 64.6981, 55.7973, 101.9677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

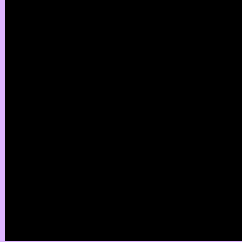
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.6981, 55.7973, 101.9677

Background



This preview shows how black text looks on a background with the XYZ color 64.6981, 55.7973, 101.9677.

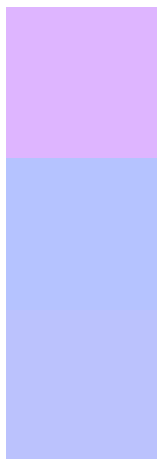


This preview shows how white text looks on a background with the XYZ color 64.6981, 55.7973,

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

64.6981, 55.7973, 101.9677

Protanopia

56.6212, 56.0740, 102.4468

Deuteranopia

57.5149, 56.2402, 100.7526



Tritanopia

57.3818, 55.9655, 65.5357

Trichromacy



Original Color

64.6981, 55.7973, 101.9677



Protanomaly

59.2284, 55.7827, 102.2532



Deuteranomaly

59.9064, 55.8303, 101.3848

Tritanomaly

59.7049, 55.6201, 77.4010

Monochromacy



Original Color

64.6981, 55.7973, 101.9677



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

58.6374, 57.3593, 76.3875

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.6981, 55.7973, 101.9677 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(222, 181, 255)` looks like.

```
.text, #text, p{  
    color:rgb(222, 181, 255)  
}
```

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(222, 181, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 181, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.6981, 55.7973, 101.9677 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(222, 181, 255) }
```


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

```
.border{ border-color:rgb(222, 181, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 181, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 181, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 181, 255);  
box-shadow:4px 4px 4px 4px rgb(222, 181,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.6981, 55.7973, 101.9677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 181, 255) }
```

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

```
.background{ background-color: rgb(222,  
181, 255) }
```

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