

# Converting Colors

XYZ(64.1164, 55.8814,  
101.1741)

Have a look what the booklet for  
XYZ(64.1164, 55.8814, 101.1741)  
contains.

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# **Color**

**XYZ(64.1325, 55.8273,  
101.1615)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DCB6FE
RGB	220, 182, 254
RGB Percent	86%, 71%, 100%
CMY	0.1372, 0.2863, 0.0039
CMYK	0.13, 0.28, 0.00, 0.00
HSL	272°, 97%, 85%
HSV	272°, 28%, 100%
XYZ	64.1325, 55.8273, 101.1615
YIQ	201.5700, -0.4640, 30.4480

# Conversions

## Conversions Part 2

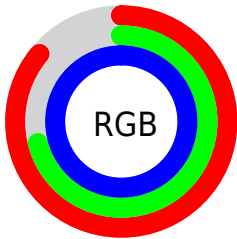
Format	Color
R <sub>Y</sub> B	220, 182, 254
Decimal	14464766
CIE Lab	79.52, 26.84, -30.47
CIE LCh	80, 40.611, 311.375
Yxy	55.8273, 0.2900, 0.2525
Android (android.graphics.Color)	4292654846 (0xFFDCB6FE)
YUV	201.5700, 25.8480, 16.1631
Hunter-Lab	74.7177, 22.4562, -27.9714

# Details

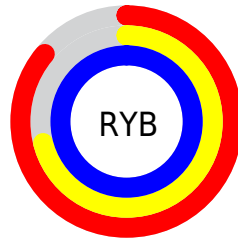
The XYZ color **64.1325, 55.8273, 101.1615** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **72.2061, 88.8613, 57.6048**, and the grayscale version is **55.7173, 58.6190, 63.8361**.

A 20% lighter version of the original color is **89.8645, 89.6291, 107.1715**, and **33.2381, 27.6242, 56.4035** is the 20% darker color. If you saturate the color by 10%, you get **55.8943, 44.5472, 99.4193**, and if you desaturate by 10%, it is **73.5783, 69.1332, 103.2328**.

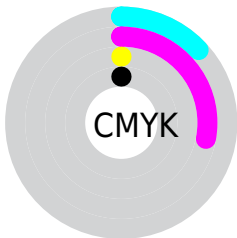
# Distribution



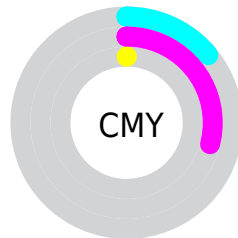
- Red (86%)
- Green (71%)
- Blue (100%)



- Red (86%)
- Yellow (71%)
- Blue (100%)



- Cyan (13%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)



- Cyan (14%)
- Magenta (29%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.1325, 55.8273, 101.1615 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 64.1325, 55.8273, 101.1615 by changing the saturation by 10% instead.



64.1325, 55.8273,  
101.1615

64.1325, 55.8273,  
101.1615

429.2626,  
409.0403, 585.1886

47.0201, 40.0645,  
76.6486

109.8744, 98.7520,  
164.8182

33.2595, 27.5888,  
56.4547

139.2346,  
126.6827, 204.7991

22.4855, 18.0159,  
40.1612

173.4081,  
159.4382, 250.7731

14.3327, 10.9614,  
27.3495

212.7603,  
197.4027, 303.1588

8.4357, 6.0409,  
17.6011

257.6564,  
240.9608, 362.3746

4.4291, 2.8700,  
10.4975

308.4620,

1.9476, 1.0642,

290.4969, 428.8392

5.6202

365.5423,  
346.3953, 502.9710

■ 0.6043, 0.0000,  
2.5505

■ 0.0000, 0.0000,  
0.8667

■ 64.1325, 55.8273,  
101.1615

■ 64.1325, 55.8273,  
101.1615

■ 55.8943, 44.5472,  
99.4193

■ 73.5783, 69.1332,  
103.2328

■ 48.8016, 35.1809,  
97.9853

■ 84.2786, 84.5548,  
105.6455

■ 42.7949, 27.6162,  
96.8417

94.8896, 99.9358,  
108.0551

■ 37.8063, 21.7258,  
95.9677

■ 33.7589, 17.3651,  
95.3393

■ 30.5628, 14.3635,  
94.9284

■ 28.0949, 12.4846,  
94.6958

■ 27.7297, 12.2286,  
94.6656

# Harmonies

## Analogous

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



56.2198, 55.8273, 116.3901



64.1325, 55.8273, 101.1615



69.3763, 55.8273, 76.3094

# Triad

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



64.1325, 55.8273, 101.1615



58.2366, 55.8273, 27.3544



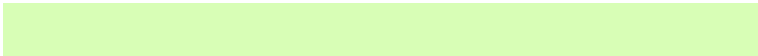
39.1091, 55.8273, 70.0943

# Complementary

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



64.1325, 55.8273, 101.1615



72.2061, 88.8613, 57.6048

# 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.



39.5299, 55.8273, 47.5258



64.1325, 55.8273, 101.1615



50.0251, 55.8273, 26.4992

# Square

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



64.1325, 55.8273, 101.1615



65.7388, 55.8273, 35.6438



43.3453, 55.8273, 32.9004



42.1299, 55.8273, 95.6192



# Rectangle

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



64.1325, 55.8273, 101.1615



70.3587, 55.8273, 59.7137



43.3453, 55.8273, 32.9004



38.8616, 55.8273, 61.8720

# Sweetspot

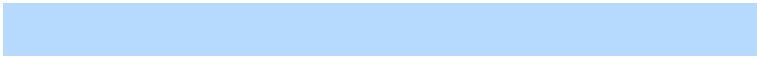
The Sweet Spot groups the original color and five complimentary colors.



64.1343, 55.8296, 101.1627



84.2853, 84.2235, 106.4222



61.9442, 66.6256, 103.3620



17.6896, 17.5180, 22.6989



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.



64.1343, 55.8296, 101.1627



59.8565, 49.6410, 101.0346



75.3003, 61.6080, 100.6852



17.9182, 17.8495, 22.7509



14.7912, 6.5356, 49.9165



1.5664, 0.7014, 4.8661



# Inverse Universe

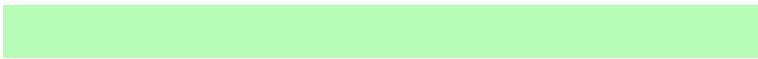
The Inverse Universe completely reimagines the original color for something new.



69.9975, 59.4869, 72.7610



66.8367, 53.9916, 67.3778



63.3032, 84.2574, 57.8384



18.3665, 18.1299, 20.5470



23.4077, 11.8524, 10.7971

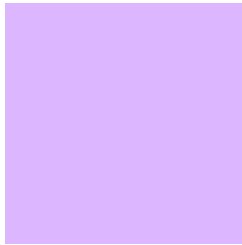


2.3338, 1.1759, 1.3393



# Previews

## White Background



This preview shows how the XYZ color 64.1325, 55.8273, 101.1615 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

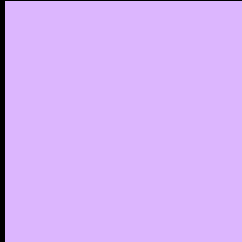
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.1325, 55.8273, 101.1615 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 64.1325, 55.8273, 101.1615

## Background



This preview shows how black text looks on a background with the XYZ color 64.1325, 55.8273, 101.1615.



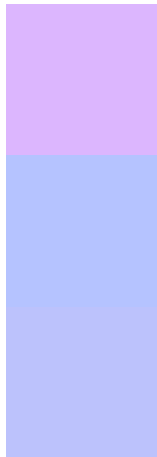
This preview shows how white text looks on a background with the XYZ color 64.1325, 55.8273,



# 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

64.1325, 55.8273, 101.1615

### Protanopia

56.6212, 56.0740, 102.4468

### Deuteranopia

57.6015, 56.3032, 99.9271



## Tritanopia

56.9228, 55.7149, 66.1464

# Trichromacy



## Original Color

64.1325, 55.8273, 101.1615

## Protanomaly

58.9691, 55.6490, 102.2411

## Deuteranomaly

59.9625, 56.1981, 100.6155

## Tritanomaly

59.3268, 55.7412, 77.4443

# Monochromacy



## Original Color

64.1325, 55.8273, 101.1615

## Achromatopsia

56.1383, 59.0619, 64.3184

## Achromatomaly

58.8607, 57.8060, 76.4620

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.1325, 55.8273, 101.1615 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(220, 182, 254)` looks like.

```
.text, #text, p{  
    color:rgb(220, 182, 254)  
}
```

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(220, 182, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 182, 254) }
```

## Border

The CSS property to change the border of an element to XYZ 64.1325, 55.8273, 101.1615 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(220, 182, 254) }
```



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

```
.border{ border-color:rgb(220, 182, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 182, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 182, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 182, 254);  
box-shadow:4px 4px 4px 4px rgb(220, 182,  
254) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.1325, 55.8273, 101.1615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 182, 254) }
```

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

```
.background{ background-color: rgb(220,  
182, 254) }
```

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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