

Converting Colors

XYZ(65.8312, 55.3101,
100.2991)

Have a look what the booklet for
XYZ(65.8312, 55.3101, 100.2991)
contains.

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Color

**XYZ(65.7649, 55.1941,
100.1159)**

Conversions

Conversions Part 1

Format	Color
Hex	E5B1FD
RGB	229, 177, 253
RGB Percent	90%, 69%, 99%
CMY	0.1020, 0.3059, 0.0078
CMYK	0.09, 0.30, 0.00, 0.01
HSL	281°, 95%, 84%
HSV	281°, 30%, 99%
XYZ	65.7649, 55.1941, 100.1159
YIQ	201.2120, 6.5960, 34.6600

Conversions

Conversions Part 2

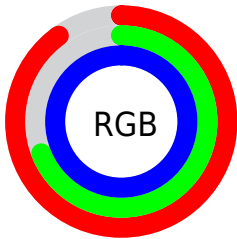
Format	Color
R _Y B	229, 177, 253
Decimal	15053309
CIE Lab	79.15, 32.10, -30.42
CIE LCh	79, 44.224, 316.531
Yxy	55.1941, 0.2975, 0.2497
Android (android.graphics.Color)	4293243389 (0xFFE5B1FD)
YUV	201.2120, 25.5315, 24.3701
Hunter-Lab	74.2927, 27.9983, -27.8935

Details

The XYZ color **65.7649, 55.1941, 100.1159** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **67.1502, 85.8437, 54.6277**, and the grayscale version is **55.4941, 58.3841, 63.5803**.

A 20% lighter version of the original color is **88.4289, 86.7578, 106.6930**, and **34.4050, 27.2851, 55.6778** is the 20% darker color. If you saturate the color by 10%, you get **58.7328, 44.8268, 98.4863**, and if you desaturate by 10%, it is **73.8442, 67.4793, 102.0622**.

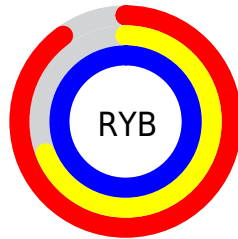
Distribution



Red (90%)

Green (69%)

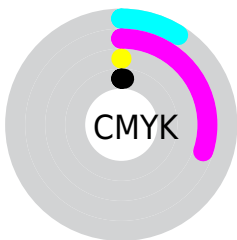
Blue (99%)



Red (90%)

Yellow (69%)

Blue (99%)

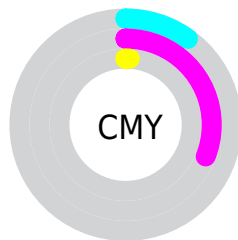


Cyan (9%)

Magenta (30%)

Yellow (0%)

Black (1%)



Cyan (10%)

Magenta (31%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.7649, 55.1941, 100.1159 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 65.7649, 55.1941, 100.1159 by changing the saturation by 10% instead.

65.7649, 55.1941,
100.1159

65.7649, 55.1941,
100.1159

435.0375,
406.6473, 581.8140

48.3486, 39.5571,
75.7799

112.2084, 97.8253,
163.3697

34.3154, 27.1934,
55.7465

141.9664,
125.5883, 203.1246

23.3000, 17.7185,
39.5971

176.5689,
158.1621, 248.8562

14.9371, 10.7481,
26.9131

216.3813,
195.9312, 300.9831

8.8613, 5.8977,
17.2761

261.7690,
239.2798, 359.9238

4.7072, 2.7830,
10.2675

313.0974,

2.1095, 1.0195,

288.5924, 426.0968

5.4688

370.7318,
344.2535, 499.9207

■ 0.6944, 0.0000,
2.4613

■ 0.0000, 0.0000,
0.8196

■ 65.7649, 55.1941,
100.1159

■ 65.7649, 55.1941,
100.1159

■ 58.7328, 44.8268,
98.4863

■ 73.8442, 67.4793,
102.0622

■ 52.6898, 36.2669,
97.1526

■ 83.0143, 81.7707,
104.3374

■ 47.5798, 29.4035,
96.0971

■ 93.3224, 98.1597,
106.9575

■ 43.3384, 24.1102,
95.2990

■ 94.7298, 99.8719,
107.2138

■ 39.8920, 20.2423,
94.7340

■ 37.1532, 17.6276,
94.3737

■ 34.9869, 15.9883,
94.1714

Harmonies

Analogous

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



57.4384, 55.1941, 119.7655



65.7649, 55.1941, 100.1159



70.7543, 55.1941, 72.1426

Triad

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



65.7649, 55.1941, 100.1159



56.5131, 55.1941, 24.1411



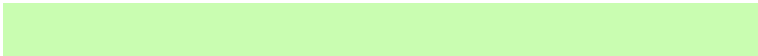
37.8157, 55.1941, 75.0129

Complementary

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



65.7649, 55.1941, 100.1159



67.1502, 85.8437, 54.6277

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.



37.6274, 55.1941, 49.4728



65.7649, 55.1941, 100.1159



47.7785, 55.1941, 24.5088

Square

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



65.7649, 55.1941, 100.1159



65.0223, 55.1941, 31.2761



41.0833, 55.1941, 32.4792



41.6304, 55.1941, 102.7184

Rectangle

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



65.7649, 55.1941, 100.1159



71.1905, 55.1941, 54.7371



41.0833, 55.1941, 32.4792



37.3423, 55.1941, 65.7958

Sweetspot

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



65.7667, 55.1964, 100.1171



85.5444, 84.8727, 106.4811



56.7653, 58.2456, 101.1801



18.0003, 17.6781, 22.7134



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.



65.7667, 55.1964, 100.1171



62.5501, 49.6559, 100.8955



71.8216, 58.5650, 89.2331



18.2020, 17.9959, 22.7642



18.7692, 8.5864, 50.1027



1.9407, 0.8944, 4.8836

Inverse Universe

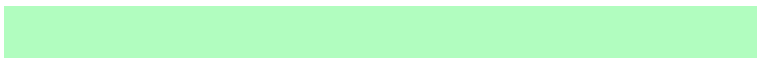
The Inverse Universe completely reimagines the original color for something new.



66.7745, 56.5462, 62.6556



63.9082, 51.3396, 56.5205



62.6552, 83.3577, 62.0414



18.2457, 18.0816, 19.9109



22.3749, 11.4392, 5.3585



2.2256, 1.1326, 0.7693

Previews

White Background



This preview shows how the XYZ color 65.7649, 55.1941, 100.1159 looks on a white background.

Color Contrast Check

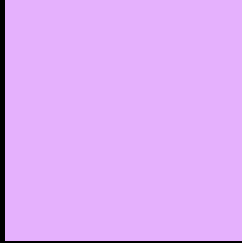
Large Text (above 18pt) WCAG AA × Fail

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 65.7649, 55.1941, 100.1159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

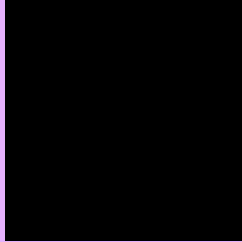
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.7649, 55.1941, 100.1159

Background



This preview shows how black text looks on a background with the XYZ color 65.7649, 55.1941, 100.1159.

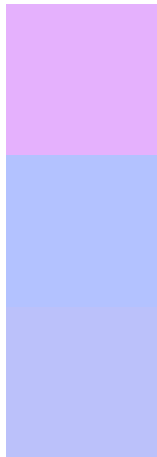


This preview shows how white text looks on a background with the XYZ color 65.7649, 55.1941,

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

65.7649, 55.1941, 100.1159

Protanopia

55.9322, 55.3873, 102.3506

Deuteranopia

56.8188, 55.6069, 98.1810



Tritanopia

58.2498, 55.1771, 63.4573

Trichromacy



Original Color

65.7649, 55.1941, 100.1159



Protanomaly

58.8986, 54.9925, 101.2763



Deuteranomaly

59.5400, 55.0622, 98.7568



Tritanomaly

60.7251, 54.9347, 75.8095

Monochromacy



Original Color

65.7649, 55.1941, 100.1159



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

58.6319, 56.7155, 75.5671

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.7649, 55.1941, 100.1159 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(229, 177, 253)` looks like.

```
.text, #text, p{  
    color:rgb(229, 177, 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(229, 177, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 177, 253) }
```

Border

The CSS property to change the border of an element to XYZ 65.7649, 55.1941, 100.1159 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(229, 177, 253) }
```


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

```
.border{ border-color:rgb(229, 177, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 177, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 177, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 177, 253);  
box-shadow:4px 4px 4px 4px rgb(229, 177,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 65.7649, 55.1941, 100.1159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 177, 253) }
```

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

```
.background{ background-color: rgb(229,  
177, 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](#).

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