

Converting Colors

XYZ(63.7889, 55.1814, 81.5305)

Have a look what the booklet for
XYZ(63.7889, 55.1814, 81.5305)
contains.

XYZ(63.8672, 55.2210, 81.4213)	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(63.8672, 55.2210,
81.4213)**

Conversions

Conversions Part 1

Format	Color
Hex	E9B3E5
RGB	233, 179, 229
RGB Percent	91%, 70%, 90%
CMY	0.0863, 0.2980, 0.1020
CMYK	0.00, 0.23, 0.02, 0.09
HSL	304°, 55%, 81%
HSV	304°, 23%, 91%
XYZ	63.8672, 55.2210, 81.4213
YIQ	200.8460, 16.1340, 26.9980

Conversions

Conversions Part 2

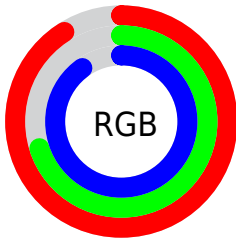
Format	Color
R _Y B	233, 179, 229
Decimal	15315941
CIE Lab	79.17, 27.73, -17.45
CIE LCh	79, 32.766, 327.822
Yxy	55.2210, 0.3185, 0.2754
Android (android.graphics.Color)	4293506021 (0xFFE9B3E5)
YUV	200.8460, 13.8799, 28.1991
Hunter-Lab	74.3108, 23.3697, -12.9456

Details

The XYZ color **63.8672, 55.2210, 81.4213** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **56.2788, 71.2820, 55.5954**, and the grayscale version is **55.3332, 58.2149, 63.3960**.

A 20% lighter version of the original color is **88.9983, 87.8967, 106.8828**, and **33.1351, 27.2860, 43.0555** is the 20% darker color. If you saturate the color by 10%, you get **59.3469, 46.5632, 78.7319**, and if you desaturate by 10%, it is **69.1823, 65.4626, 84.3887**.

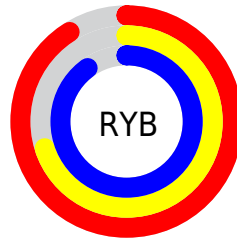
Distribution



Red (91%)

Green (70%)

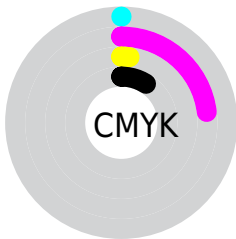
Blue (90%)



Red (91%)

Yellow (70%)

Blue (90%)

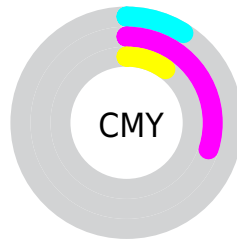


Cyan (0%)

Magenta (23%)

Yellow (2%)

Black (9%)



Cyan (9%)


Magenta (30%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.8672, 55.2210, 81.4213 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 63.8672, 55.2210, 81.4213 by changing the saturation by 10% instead.


 63.8672, 55.2210,
81.4213

 63.8672, 55.2210,
81.4213


428.3197,
406.7491, 519.5424

 46.8044, 39.5787,
60.3556


 109.4945, 97.8647,
137.1916

 33.0884, 27.2102,
43.2782


138.7896,
125.6348, 172.7332

 22.3537, 17.7312,
29.7704


172.8930,
158.2164, 213.9373

 14.2351, 10.7571,
19.4138

212.1699,
195.9938, 261.2223

 8.3671, 5.9038,
11.7898

256.9856,
239.3513, 315.0067

 4.3845, 2.7867,
6.4799

307.7056,

 1.9219, 1.0214,

288.6735, 375.7092

3.0656

364.6952,
344.3446, 443.7483

■ 0.5895, 0.0000,
1.1282

■ 0.0000, 0.0000,
0.0000

■ 63.8672, 55.2210,
81.4213

■ 63.8672, 55.2210,
81.4213

■ 59.3469, 46.5632,
78.7319

■ 69.1823, 65.4626,
84.3887

■ 55.5766, 39.4027,
76.3036

■ 75.3239, 77.3543,
87.6429

■ 52.5150, 33.6558,
74.1234

■ 82.3284, 90.9678,
91.1966

■ 50.1147, 29.2274,
72.1752

■ 84.4913, 94.8945,
93.1483

48.3223, 26.0112,
70.4414

84.7433, 94.9953,
94.4751

47.0763, 23.8841,
68.9014

84.9976, 95.0970,
95.8146

46.3023, 22.6971,
67.5304

85.2544, 95.1998,
97.1670

45.9657, 22.2683,
66.6651

85.5137, 95.3035,
98.5322

85.7754, 95.4081,
99.9103

Harmonies

Analogous

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



58.5776, 55.2210, 97.9401



63.8672, 55.2210, 81.4213



66.0840, 55.2210, 61.5056

Triad

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



63.8672, 55.2210, 81.4213



52.9653, 55.2210, 30.8368



42.1298, 55.2210, 78.5535

Complementary

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



63.8672, 55.2210, 81.4213



56.2788, 71.2820, 55.5954

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.



40.8942, 55.2210, 58.7677



63.8672, 55.2210, 81.4213



46.8319, 55.2210, 33.5647

Square

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



63.8672, 55.2210, 81.4213



59.4729, 55.2210, 34.5014



42.5440, 55.2210, 42.9113



46.0687, 55.2210, 96.0571

Rectangle

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



63.8672, 55.2210, 81.4213



65.3932, 55.2210, 49.7619



42.5440, 55.2210, 42.9113



41.3996, 55.2210, 71.8382

Sweetspot

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



63.8689, 55.2234, 81.4225



89.4054, 89.0504, 105.9718



50.2640, 48.1446, 83.7354



19.0375, 18.8688, 22.6301



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.



63.8689, 55.2234, 81.4225



75.5075, 62.2590, 98.2422



60.4344, 53.8496, 63.3368



15.6638, 15.2934, 18.7811



26.1019, 12.6435, 37.9336



2.0640, 0.9986, 3.0546

Inverse Universe

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



63.8689, 55.2234, 81.4225



75.5075, 62.2590, 98.2422



59.3144, 72.4963, 71.5808



15.6638, 15.2934, 18.7811



26.1019, 12.6435, 37.9336



2.0640, 0.9986, 3.0546

Previews

White Background



This preview shows how the XYZ color 63.8672, 55.2210, 81.4213 looks on a white background.

Color Contrast Check

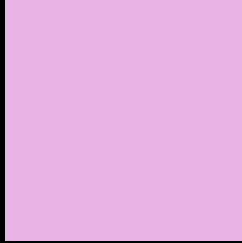
Large Text (above 18pt) WCAG AA × Fail

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 63.8672, 55.2210, 81.4213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

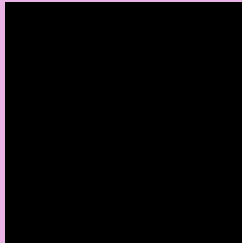
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.8672, 55.2210, 81.4213

Background



This preview shows how black text looks on a background with the XYZ color 63.8672, 55.2210, 81.4213.



This preview shows how white text looks on a background with the XYZ color 63.8672, 55.2210,

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

63.8672, 55.2210, 81.4213

Protanopia

55.3448, 55.7013, 89.4958

Deuteranopia

56.5833, 55.2252, 80.3503



Tritanopia

59.7624, 55.0625, 61.5111

Trichromacy



Original Color

63.8672, 55.2210, 81.4213

Protanomaly

57.8216, 55.0899, 86.1831

Deuteranomaly

59.2145, 55.2882, 80.9495

Tritanomaly

60.9939, 54.9320, 68.3610

Monochromacy



Original Color

63.8672, 55.2210, 81.4213

Achromatopsia

55.5167, 58.4078, 63.6061

Achromatomaly

58.2684, 56.9892, 69.5570

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8672, 55.2210, 81.4213 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(233, 179, 229)` looks like.

```
.text, #text, p{  
    color:rgb(233, 179, 229)  
}
```

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(233, 179, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 179, 229) }
```

Border

The CSS property to change the border of an element to XYZ 63.8672, 55.2210, 81.4213 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(233, 179, 229) }
```


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

```
.border{ border-color:rgb(233, 179, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 179, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 179, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 179, 229);  
box-shadow:4px 4px 4px 4px rgb(233, 179,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8672, 55.2210, 81.4213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 179, 229) }
```

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

```
.background{ background-color: rgb(233,  
179, 229) }
```

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