

Converting Colors

XYZ(64.2359, 55.1066, 77.2169)

Have a look what the booklet for
XYZ(64.2359, 55.1066, 77.2169)
contains.

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Color

**XYZ(64.1647, 55.1730,
77.0796)**

Conversions

Conversions Part 1

Format	Color
Hex	EDB2DF
RGB	237, 178, 223
RGB Percent	93%, 70%, 87%
CMY	0.0706, 0.3019, 0.1255
CMYK	0.00, 0.25, 0.06, 0.07
HSL	314°, 62%, 81%
HSV	314°, 25%, 93%
XYZ	64.1647, 55.1730, 77.0796
YIQ	200.7710, 20.7190, 26.5030

Conversions

Conversions Part 2

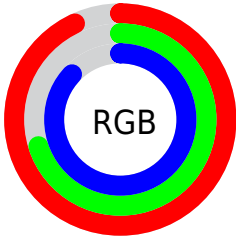
Format	Color
R_{YB}	237, 178, 223
Decimal	15577823
CIE _{Lab}	79.14, 28.53, -14.21
CIE _{LCh}	79, 31.875, 333.522
Yxy	55.1730, 0.3267, 0.2809
Android (android.graphics.Color)	4293767903 (0xFFEDB2DF)
YUV	200.7710, 10.9589, 31.7728
Hunter-Lab	74.2785, 24.2079, -9.5309

Details

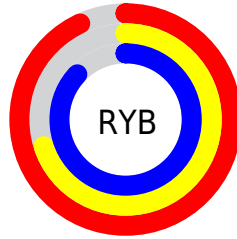
The XYZ color **64.1647, 55.1730, 77.0796** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **58.1609, 73.8407, 61.0597**, and the grayscale version is **55.3023, 58.1823, 63.3605**.

A 20% lighter version of the original color is **88.7128, 87.3256, 106.7876**, and **33.2239, 27.1977, 40.5444** is the 20% darker color. If you saturate the color by 10%, you get **59.1050, 46.2462, 71.7141**, and if you desaturate by 10%, it is **70.0675, 65.7440, 82.8516**.

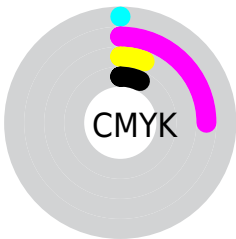
Distribution



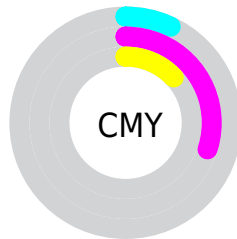
- Red (93%)
- Green (70%)
- Blue (87%)



- Red (93%)
- Yellow (70%)
- Blue (87%)



- Cyan (0%)
- Magenta (25%)
- Yellow (6%)
- Black (7%)



- Cyan (7%)
- Magenta (30%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.1647, 55.1730, 77.0796 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 64.1647, 55.1730, 77.0796 by changing the saturation by 10% instead.

64.1647, 55.1730,
77.0796

64.1647, 55.1730,
77.0796

429.3770,
406.5674, 504.4803

47.0463, 39.5402,
56.8063

109.9205, 97.7944,
131.0259

33.2803, 27.1803,
40.4414

139.2886,
125.5518, 165.5359

22.5015, 17.7087,
27.5665

173.4706,
158.1196, 205.6285

14.3446, 10.7410,
17.7629

212.8319,
195.8821, 251.7224

8.4440, 5.8930,
10.6122

257.7378,
239.2237, 304.2359

4.4345, 2.7801,
5.6959

308.5537,

1.9508, 1.0180,

288.5289, 363.5877

2.5953

365.6450,
344.1820, 430.1963

■ 0.6061, 0.0000,
0.8900

■ 0.0000, 0.0000,
0.0000

■ 64.1647, 55.1730,
77.0796

■ 64.1647, 55.1730,
77.0796

■ 59.1050, 46.2462,
71.7141

■ 70.0675, 65.7440,
82.8516

■ 54.8413, 38.8725,
66.7365

■ 76.8476, 78.0296,
89.0409

■ 51.3294, 32.9628,
62.1314

■ 84.5433, 92.1053,
95.6619

■ 48.5188, 28.4164,
57.8807

■ 87.2430, 96.1478,
100.7455

■ 46.3522, 25.1195,
53.9641

■ 88.1173, 96.4975,
105.3494

■ 44.7635, 22.9399,
50.3583

■ 88.7355, 96.7447,
108.6045

■ 43.6713, 21.7155,
47.0349

■ 43.2412, 21.3310,
45.4247

Harmonies

Analogous

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



59.4872, 55.1730, 94.2540



64.1647, 55.1730, 77.0796



65.6164, 55.1730, 57.9483

Triad

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



64.1647, 55.1730, 77.0796



51.6927, 55.1730, 31.4612



42.8925, 55.1730, 81.5635

Complementary

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



64.1647, 55.1730, 77.0796



58.1609, 73.8407, 61.0597

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.



41.1578, 55.1730, 62.2511



64.1647, 55.1730, 77.0796



45.9731, 55.1730, 35.3530

Square

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



64.1647, 55.1730, 77.0796



58.0833, 55.1730, 33.8636



42.2389, 55.1730, 45.7739



47.1751, 55.1730, 97.1887

Rectangle

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



64.1647, 55.1730, 77.0796



64.4702, 55.1730, 47.1535



42.2389, 55.1730, 45.7739



42.0085, 55.1730, 75.1623

Sweetspot

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



64.1664, 55.1755, 77.0808



88.9430, 88.8654, 103.5368



52.8880, 49.1341, 86.8180



18.9301, 18.8258, 22.0647



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.



64.1664, 55.1755, 77.0808



72.5236, 59.4056, 87.6468



60.5551, 53.7309, 58.0641



15.5531, 15.2491, 18.1978



23.6614, 11.6673, 25.0821



1.8948, 0.9309, 2.1632

Inverse Universe

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



64.1664, 55.1755, 77.0808



72.5236, 59.4056, 87.6468



61.7329, 75.2695, 79.8695



15.5531, 15.2491, 18.1978



23.6614, 11.6673, 25.0821



1.8948, 0.9309, 2.1632

Previews

White Background



This preview shows how the XYZ color 64.1647, 55.1730, 77.0796 looks on a white background.

Color Contrast Check

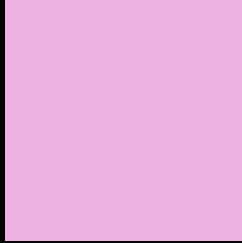
Large Text (above 18pt) WCAG AA × Fail

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 64.1647, 55.1730, 77.0796 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 64.1647, 55.1730, 77.0796

Background



This preview shows how black text looks on a background with the XYZ color 64.1647, 55.1730, 77.0796.



This preview shows how white text looks on a background with the XYZ color 64.1647, 55.1730,

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

64.1647, 55.1730, 77.0796

Protanopia

55.1054, 55.6621, 85.6814

Deuteranopia

56.5838, 55.3194, 76.1020



Tritanopia

60.9432, 55.3906, 60.3027

Trichromacy



Original Color

64.1647, 55.1730, 77.0796



Protanomaly

57.9341, 55.2302, 82.4699



Deuteranomaly

59.0626, 54.9907, 76.6086



Tritanomaly

61.9254, 55.1661, 65.7768

Monochromacy



Original Color

64.1647, 55.1730, 77.0796



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

58.3101, 57.0395, 68.2581

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.1647, 55.1730, 77.0796 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(237, 178, 223)` looks like.

```
.text, #text, p{  
    color:rgb(237, 178, 223)  
}
```

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(237, 178, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 178, 223) }
```

Border

The CSS property to change the border of an element to XYZ 64.1647, 55.1730, 77.0796 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(237, 178, 223) }
```


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

```
.border{ border-color:rgb(237, 178, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 178, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 178, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 178, 223);  
box-shadow:4px 4px 4px 4px rgb(237, 178,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 64.1647, 55.1730, 77.0796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 178, 223) }
```

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

```
.background{ background-color: rgb(237,  
178, 223) }
```

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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