

Converting Colors

XYZ(64.3896, 55.8009, 85.7918)

Have a look what the booklet for
XYZ(64.3896, 55.8009, 85.7918)
contains.

XYZ(64.2717, 55.6296, 85.9474)	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(64.2717, 55.6296,
85.9474)**

Conversions

Conversions Part 1

Format	Color
Hex	E7B4EB
RGB	231, 180, 235
RGB Percent	91%, 71%, 92%
CMY	0.0941, 0.2941, 0.0784
CMYK	0.02, 0.23, 0.00, 0.08
HSL	296°, 58%, 81%
HSV	296°, 23%, 92%
XYZ	64.2717, 55.6296, 85.9474
YIQ	201.5190, 12.7410, 27.9170

Conversions

Conversions Part 2

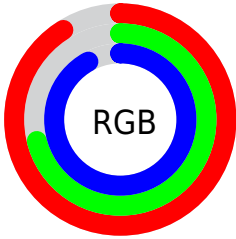
Format	Color
R _Y B	231, 180, 235
Decimal	15185131
CIE Lab	79.40, 27.65, -20.35
CIE LCh	79, 34.328, 323.645
Yxy	55.6296, 0.3122, 0.2702
Android (android.graphics.Color)	4293375211 (0xFFE7B4EB)
YUV	201.5190, 16.5061, 25.8548
Hunter-Lab	74.5853, 23.2931, -16.1124

Details

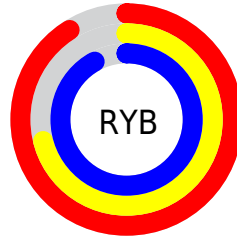
The XYZ color **64.2717, 55.6296, 85.9474** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **57.7156, 72.9037, 54.2126**, and the grayscale version is **55.7361, 58.6387, 63.8575**.

A 20% lighter version of the original color is **89.2855, 88.4709, 106.9785**, and **33.4053, 27.5474, 46.2044** is the 20% darker color. If you saturate the color by 10%, you get **59.3756, 46.6512, 84.4733**, and if you desaturate by 10%, it is **69.9809, 66.2241, 87.6923**.

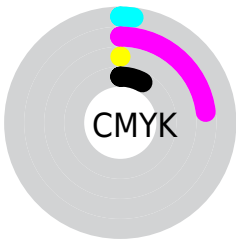
Distribution



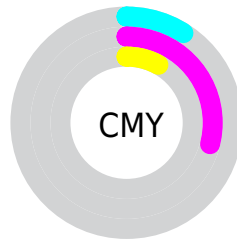
- Red (91%)
- Green (71%)
- Blue (92%)



- Red (91%)
- Yellow (71%)
- Blue (92%)



- Cyan (2%)
- Magenta (23%)
- Yellow (0%)
- Black (8%)





- Cyan (9%)
- Magenta (29%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.2717, 55.6296, 85.9474 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 64.2717, 55.6296, 85.9474 by changing the saturation by 10% instead.


 64.2717, 55.6296,
85.9474

 64.2717, 55.6296,
85.9474


429.7568,
408.2941, 534.9839

 47.1333, 39.9060,
64.0698


 110.0737, 98.4628,
143.5820

 33.3494, 27.4653,
46.2607

139.4680,
126.3412, 180.1761

 22.5548, 17.9230,
32.1014


173.6782,
159.0401, 222.5127

 14.3840, 10.8947,
21.1735

213.0698,
196.9437, 271.0106

 8.4717, 5.9961,
13.0584

258.0081,
240.4365, 326.0880

 4.4526, 2.8427,
7.3376

308.8585,

 1.9612, 1.0502,

289.9029, 388.1637

3.5925

365.9863,
345.7273, 457.6562

■ 0.6120, 0.0000,
1.4046

■ 0.0000, 0.0000,
0.1453

■ 64.2717, 55.6296,
85.9474

■ 64.2717, 55.6296,
85.9474

■ 59.3756, 46.6512,
84.4733

■ 69.9809, 66.2241,
87.6923

■ 55.2468, 39.2006,
83.2528

■ 76.5357, 78.5028,
89.7168

■ 51.8430, 33.1921,
82.2724

■ 83.9732, 92.5389,
92.0340

■ 49.1157, 28.5284,
81.5160

■ 85.9609, 95.6673,
92.5331

47.0102, 25.1005,
80.9653

86.5370, 95.9642,
92.5601

45.4634, 22.7822,
80.5993

87.1185, 96.2640,
92.5873

44.3988, 21.4204,
80.3926

87.7054, 96.5666,
92.6148

43.8826, 20.8900,
80.3174

88.2979, 96.8720,
92.6425

88.8958, 97.1803,
92.6705

Harmonies

Analogous

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



58.3649, 55.6296, 102.3755



64.2717, 55.6296, 85.9474



67.1567, 55.6296, 64.8665

Triad

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



64.2717, 55.6296, 85.9474



54.3535, 55.6296, 30.1579



41.6482, 55.6296, 77.0898

Complementary

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



64.2717, 55.6296, 85.9474



57.7156, 72.9037, 54.2126

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.



40.7756, 55.6296, 56.4698



64.2717, 55.6296, 85.9474



47.7392, 55.6296, 32.0498

Square

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



64.2717, 55.6296, 85.9474



61.1186, 55.6296, 34.8750



42.9108, 55.6296, 40.7572



45.4068, 55.6296, 96.5342

Rectangle

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



64.2717, 55.6296, 85.9474



66.8144, 55.6296, 52.0580



42.9108, 55.6296, 40.7572



41.0219, 55.6296, 69.9653

Sweetspot

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



64.2734, 55.6320, 85.9486



89.1417, 88.8899, 107.0669



51.0820, 50.2280, 85.6008



18.9762, 18.8315, 22.8846



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.



64.2734, 55.6320, 85.9486



74.4630, 61.6235, 102.5776



62.4781, 55.0647, 69.6799



15.6004, 15.2548, 19.0445



24.4694, 11.6503, 44.7020



1.9538, 0.9315, 3.5117

Inverse Universe

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



59.2358, 53.7678, 52.6060



67.4603, 59.0401, 55.8663



59.3022, 73.4292, 67.4977



15.1099, 15.0718, 15.8641



19.1415, 9.8593, 1.2806



1.5186, 0.7804, 0.1824

Previews

White Background



This preview shows how the XYZ color 64.2717, 55.6296, 85.9474 looks on a white background.

Color Contrast Check

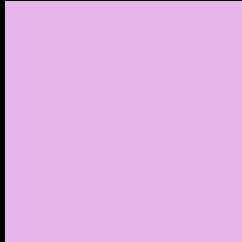
Large Text (above 18pt) WCAG AA × Fail

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 64.2717, 55.6296, 85.9474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

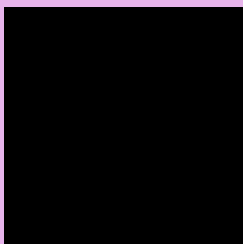
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.2717, 55.6296, 85.9474

Background



This preview shows how black text looks on a background with the XYZ color 64.2717, 55.6296, 85.9474.



This preview shows how white text looks on a background with the XYZ color 64.2717, 55.6296,

85.9474.

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

64.2717, 55.6296, 85.9474

Protanopia

56.0041, 55.9371, 94.2314

Deuteranopia

57.1108, 55.7246, 84.8366



Tritanopia

59.4656, 55.5036, 62.8374

Trichromacy



Original Color

64.2717, 55.6296, 85.9474



Protanomaly

58.6478, 55.7343, 90.8858



Deuteranomaly

59.6985, 55.7558, 85.4574



Tritanomaly

61.1456, 55.5791, 70.4559

Monochromacy



Original Color

64.2717, 55.6296, 85.9474



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

58.8700, 57.5847, 71.6305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.2717, 55.6296, 85.9474 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(231, 180, 235)` looks like.

```
.text, #text, p{  
    color:rgb(231, 180, 235)  
}
```

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(231, 180, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 180, 235) }
```

Border

The CSS property to change the border of an element to XYZ 64.2717, 55.6296, 85.9474 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(231, 180, 235) }
```


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

```
.border{ border-color:rgb(231, 180, 235) }
```

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

Here you see how a box with a 4 pixel rgb(231, 180, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 180, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 180, 235);  
box-shadow:4px 4px 4px 4px rgb(231, 180,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 64.2717, 55.6296, 85.9474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 180, 235) }
```

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

```
.background{ background-color: rgb(231,  
180, 235) }
```

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