

Converting Colors

XYZ(65.0053, 55.4584, 90.8665)

Have a look what the booklet for
XYZ(65.0053, 55.4584, 90.8665)
contains.

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Color

**XYZ(64.9523, 55.5800,
90.5237)**

Conversions

Conversions Part 1

Format	Color
Hex	E7B3F1
RGB	231, 179, 241
RGB Percent	91%, 70%, 95%
CMY	0.0941, 0.2980, 0.0549
CMYK	0.04, 0.26, 0.00, 0.05
HSL	290°, 69%, 82%
HSV	290°, 26%, 95%
XYZ	64.9523, 55.5800, 90.5237
YIQ	201.6160, 11.0900, 30.3060

Conversions

Conversions Part 2

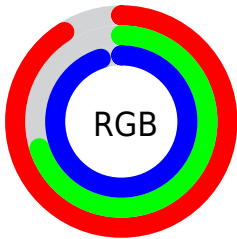
Format	Color
R _Y B	231, 179, 241
Decimal	15184881
CIE Lab	79.37, 29.31, -23.62
CIE LCh	79, 37.646, 321.136
Yxy	55.5800, 0.3077, 0.2633
Android (android.graphics.Color)	4293374961 (0xFFE7B3F1)
YUV	201.6160, 19.4163, 25.7698
Hunter-Lab	74.5520, 25.0494, -19.8056

Details

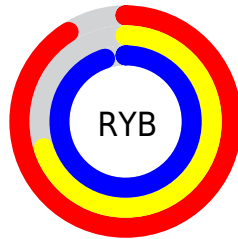
The XYZ color **64.9523, 55.5800, 90.5237** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **60.5801, 76.9854, 54.3173**, and the grayscale version is **55.7795, 58.6844, 63.9073**.

A 20% lighter version of the original color is **88.9983, 87.8967, 106.8828**, and **33.8970, 27.5385, 49.4278** is the 20% darker color. If you saturate the color by 10%, you get **59.2977, 46.1116, 88.9950**, and if you desaturate by 10%, it is **71.4824, 66.7558, 92.3375**.

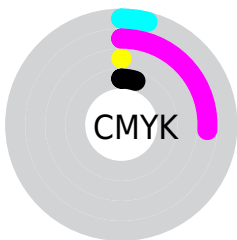
Distribution



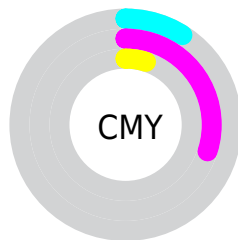
- Red (91%)
- Green (70%)
- Blue (95%)



- Red (91%)
- Yellow (70%)
- Blue (95%)



- Cyan (4%)
- Magenta (26%)
- Yellow (0%)
- Black (5%)



- Cyan (9%)
- Magenta (30%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.9523, 55.5800, 90.5237 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 64.9523, 55.5800, 90.5237 by changing the saturation by 10% instead.

64.9523, 55.5800,
90.5237

64.9523, 55.5800,
90.5237

432.1685,
408.1068, 550.3470

47.6870, 39.8663,
67.8389

111.0474, 98.3902,
150.0075

33.7893, 27.4343,
49.3008

140.6078,
126.2555, 187.6436

22.8939, 17.8997,
34.4909

174.9973,
158.9401, 231.1005

14.6354, 10.8780,
22.9906

214.5813,
196.8285, 280.7969

8.6486, 5.9848,
14.3813

259.7250,
240.3049, 337.1511

4.5679, 2.8359,
8.2446

310.7939,

2.0282, 1.0467,

289.7538, 400.5819

4.1618

368.1532,
345.5596, 471.5076

■ 0.6497, 0.0000,
1.7145

■ 0.0000, 0.0000,
0.3707

■ 64.9523, 55.5800,
90.5237

■ 64.9523, 55.5800,
90.5237

■ 59.2977, 46.1116,
88.9950

■ 71.4824, 66.7558,
92.3375

■ 54.4691, 38.2553,
87.7331

■ 78.9236, 79.7132,
94.4463

■ 50.4203, 31.9178,
86.7232

■ 87.3159, 94.5310,
96.8641

■ 47.0982, 26.9930,
85.9477

■ 89.8366, 97.5634,
97.3166

44.4426, 23.3609,
85.3866

91.2185, 98.2758,
97.3813

42.3834, 20.8818,
85.0166

92.6291, 99.0030,
97.4473

40.8342, 19.3827,
84.8089

92.8773, 99.1309,
97.4589

40.2698, 18.9257,
84.7505

Harmonies

Analogous

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



58.2349, 55.5800, 108.1528



64.9523, 55.5800, 90.5237



68.5033, 55.5800, 67.1506

Triad

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



64.9523, 55.5800, 90.5237



55.0952, 55.5800, 28.0388



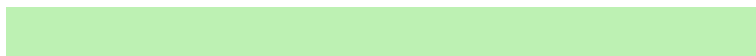
40.4138, 55.5800, 76.7754

Complementary

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



64.9523, 55.5800, 90.5237



60.5801, 76.9854, 54.3173

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.



39.7458, 55.5800, 54.3356



64.9523, 55.5800, 90.5237



47.7650, 55.5800, 29.4383

Square

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



64.9523, 55.5800, 90.5237



62.4670, 55.5800, 33.5802



42.3134, 55.5800, 38.0038



44.2338, 55.5800, 98.9921

Rectangle

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



64.9523, 55.5800, 90.5237



68.3846, 55.5800, 52.8395



42.3134, 55.5800, 38.0038



39.8285, 55.5800, 68.9047

Sweetspot

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



64.9540, 55.5824, 90.5249



87.6838, 87.0492, 106.7885



52.7392, 52.4759, 90.5691



18.4881, 18.1433, 22.7775



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.



64.9540, 55.5824, 90.5249



70.2694, 57.1726, 101.9396



65.3599, 56.1283, 75.3325



16.1893, 15.8948, 19.9363



21.9339, 10.3128, 45.9624



1.8909, 0.8921, 3.8267

Inverse Universe

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



61.5828, 54.6175, 55.4430



65.9083, 55.9522, 55.2995



60.4340, 76.6502, 66.0516



15.8768, 15.8004, 16.9073



19.9009, 10.2328, 2.1287



1.6861, 0.8635, 0.3376

Previews

White Background



This preview shows how the XYZ color 64.9523, 55.5800, 90.5237 looks on a white background.

Color Contrast Check

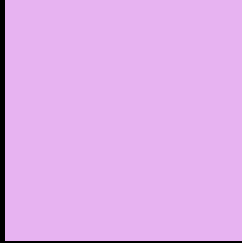
Large Text (above 18pt) WCAG AA × Fail

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 64.9523, 55.5800, 90.5237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

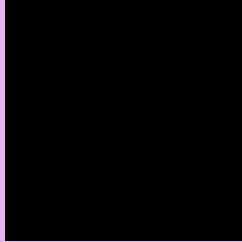
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.9523, 55.5800, 90.5237

Background



This preview shows how black text looks on a background with the XYZ color 64.9523, 55.5800, 90.5237.



This preview shows how white text looks on a background with the XYZ color 64.9523, 55.5800,

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

64.9523, 55.5800, 90.5237

Protanopia

56.3772, 56.0036, 99.9338

Deuteranopia

57.0083, 55.9151, 88.6770



Tritanopia

59.1529, 55.3424, 62.8228

Trichromacy



Original Color

64.9523, 55.5800, 90.5237



Protanomaly

58.9603, 55.4519, 96.4027



Deuteranomaly

59.5756, 55.6083, 89.2549



Tritanomaly

61.0067, 55.1557, 72.3965

Monochromacy



Original Color

64.9523, 55.5800, 90.5237



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

59.1270, 57.6876, 72.9842

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.9523, 55.5800, 90.5237 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, 179, 241)` looks like.

```
.text, #text, p{  
    color:rgb(231, 179, 241)  
}
```

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, 179, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 179, 241) }
```

Border

The CSS property to change the border of an element to XYZ 64.9523, 55.5800, 90.5237 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, 179, 241) }
```


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

```
.border{ border-color:rgb(231, 179, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 179, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 179, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 179, 241);  
box-shadow:4px 4px 4px 4px rgb(231, 179,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 64.9523, 55.5800, 90.5237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 179, 241) }
```

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

```
.background{ background-color: rgb(231,  
179, 241) }
```

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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