

# Converting Colors

XYZ(65.3307, 55.6092, 83.0598)

Have a look what the booklet for  
XYZ(65.3307, 55.6092, 83.0598)  
contains.

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# Color

**XYZ(65.2693, 55.6148,  
82.8960)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EDB2E7
RGB	237, 178, 231
RGB Percent	93%, 70%, 91%
CMY	0.0706, 0.3019, 0.0941
CMYK	0.00, 0.25, 0.03, 0.07
HSL	306°, 62%, 81%
HSV	306°, 25%, 93%
XYZ	65.2693, 55.6148, 82.8960
YIQ	201.6830, 18.1510, 28.9910

# Conversions

## Conversions Part 2

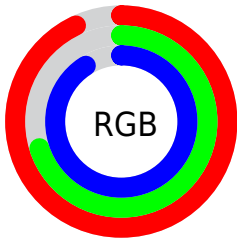
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	237, 178, 231
Decimal	15577831
CIE <sub>Lab</sub>	79.39, 29.94, -18.15
CIE <sub>LCh</sub>	79, 35.014, 328.777
Yxy	55.6148, 0.3203, 0.2729
Android (android.graphics.Color)	4293767911 (0xFFEDB2E7)
YUV	201.6830, 14.4533, 30.9730
Hunter-Lab	74.5753, 25.7187, -13.7025

# Details

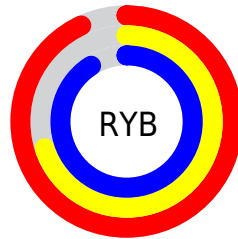
The XYZ color **65.2693, 55.6148, 82.8960** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **57.2983, 73.4959, 56.5167**, and the grayscale version is **55.8479, 58.7564, 63.9857**.

A 20% lighter version of the original color is **88.7128, 87.3256, 106.7876**, and **33.8939, 27.4657, 44.0724** is the 20% darker color. If you saturate the color by 10%, you get **60.6174, 46.8511, 79.6777**, and if you desaturate by 10%, it is **70.7439, 66.0145, 86.4130**.

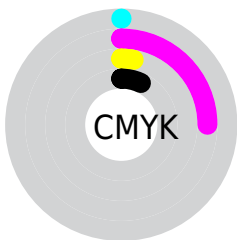
# Distribution



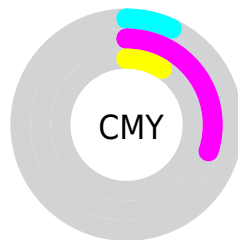
- Red (93%)
- Green (70%)
- Blue (91%)



- Red (93%)
- Yellow (70%)
- Blue (91%)



- Cyan (0%)
- Magenta (25%)
- Yellow (3%)
- Black (7%)




- Cyan (7%)
- Magenta (30%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.2693, 55.6148, 82.8960 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 65.2693, 55.6148, 82.8960 by changing the saturation by 10% instead.




 65.2693, 55.6148,  
82.8960

 65.2693, 55.6148,  
82.8960


433.2890,  
408.2382, 524.6018

 47.9450, 39.8942,  
61.5642


 111.5005, 98.4412,  
139.2777

 33.9944, 27.4560,  
44.2472


141.1381,  
126.3157, 175.1648

 23.0522, 17.9160,  
30.5263


175.6108,  
159.0102, 216.7407

 14.7529, 10.8897,  
19.9829

215.2841,  
196.9093, 264.4240

 8.7314, 5.9927,  
12.1987

260.5231,  
240.3972, 318.6332

 4.6221, 2.8407,  
6.7550

311.6934,

 2.0597, 1.0491,

289.8584, 379.7868

3.2332

369.1603,  
345.6773, 448.3035

■ 0.6672, 0.0000,  
1.2149

■ 0.0000, 0.0000,  
0.0000

■ 65.2693, 55.6148,  
82.8960

■ 65.2693, 55.6148,  
82.8960

■ 60.6174, 46.8511,  
79.6777

■ 70.7439, 66.0145,  
86.4130

■ 56.7411, 39.6323,  
76.7403

■ 77.0751, 78.1206,  
90.2380

■ 53.5967, 33.8697,  
74.0698

■ 84.3008, 92.0083,  
94.3846

■ 51.1336, 29.4623,  
71.6494

■ 86.5096, 95.8544,  
96.8822

49.2950, 26.2966,  
69.4598

86.8714, 95.9991,  
98.7878

48.0149, 24.2405,  
67.4791

87.2381, 96.1458,  
100.7185

47.2122, 23.1318,  
65.6801

87.6095, 96.2944,  
102.6744

46.9227, 22.8036,  
64.8102

87.9857, 96.4449,  
104.6558

88.3668, 96.5973,  
106.6626

# Harmonies

## Analogous

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



59.6310, 55.6148, 101.1709



65.2693, 55.6148, 82.8960



67.5428, 55.6148, 61.3843

# Triad

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



65.2693, 55.6148, 82.8960



53.1490, 55.6148, 29.5357



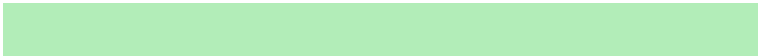
41.8856, 55.6148, 81.1458

# Complementary

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



65.2693, 55.6148, 82.8960



57.2983, 73.4959, 56.5167

# 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.



40.4763, 55.6148, 59.7333



65.2693, 55.6148, 82.8960



46.6223, 55.6148, 32.5892

# Square

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



65.2693, 55.6148, 82.8960



60.1737, 55.6148, 33.1384



42.1329, 55.6148, 42.6387



46.1647, 55.6148, 100.0131



# Rectangle

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



65.2693, 55.6148, 82.8960



66.7037, 55.6148, 48.9401



42.1329, 55.6148, 42.6387



41.0782, 55.6148, 73.8760

# Sweetspot

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



65.2710, 55.6172, 82.8972



89.3267, 89.0189, 105.5570



50.9521, 48.1360, 86.7278



19.0192, 18.8614, 22.5337



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.



65.2710, 55.6172, 82.8972



74.0824, 60.0291, 95.8553



61.4608, 54.0932, 62.8332



15.6449, 15.2858, 18.6815



25.6460, 12.4611, 35.5328



2.0329, 0.9861, 2.8907



# Inverse Universe

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



65.2710, 55.6172, 82.8972



74.0824, 60.0291, 95.8553



60.7074, 74.8595, 74.4691



15.6449, 15.2858, 18.6815



25.6460, 12.4611, 35.5328

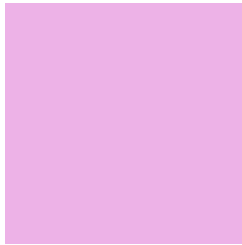


2.0329, 0.9861, 2.8907



# Previews

## White Background



This preview shows how the XYZ color 65.2693, 55.6148, 82.8960 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

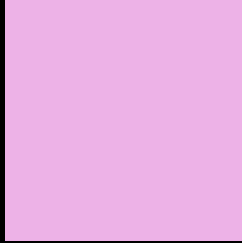
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.2693, 55.6148, 82.8960 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

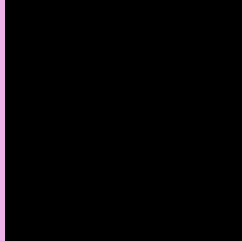
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 65.2693, 55.6148, 82.8960

## Background



This preview shows how black text looks on a background with the XYZ color 65.2693, 55.6148, 82.8960.



This preview shows how white text looks on a background with the XYZ color 65.2693, 55.6148,



# 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

65.2693, 55.6148, 82.8960

### Protanopia

55.9425, 55.9404, 92.6431

### Deuteranopia

56.9406, 55.7182, 81.1524



## Tritanopia

60.9378, 55.6818, 60.9620

# Trichromacy



## Original Color

65.2693, 55.6148, 82.8960



## Protanomaly

58.9544, 55.6063, 89.2872



## Deuteranomaly

59.6447, 55.4939, 81.6965



## Tritanomaly

62.2925, 55.6015, 68.4218

# Monochromacy



## Original Color

65.2693, 55.6148, 82.8960



## Achromatopsia

56.1383, 59.0619, 64.3184



## Achromatomaly

59.1045, 57.3911, 70.9132

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.2693, 55.6148, 82.8960 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, 231)` looks like.

```
.text, #text, p{  
    color:rgb(237, 178, 231)  
}
```

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, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 178, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 65.2693, 55.6148, 82.8960 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, 231) }
```



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

```
.border{ border-color:rgb(237, 178, 231) }
```

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, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 178, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 178, 231);  
box-shadow:4px 4px 4px 4px rgb(237, 178,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.2693, 55.6148, 82.8960 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, 231) }
```

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

```
.background{ background-color: rgb(237,  
178, 231) }
```

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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