

# Converting Colors

XYZ(65.4545, 55.3333, 86.5874)

Have a look what the booklet for  
XYZ(65.4545, 55.3333, 86.5874)  
contains.

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# Color

**XYZ(65.4545, 55.3333,  
86.5874)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECB1EC
RGB	236, 177, 236
RGB Percent	93%, 69%, 93%
CMY	0.0745, 0.3059, 0.0745
CMYK	0.00, 0.25, 0.00, 0.07
HSL	300°, 61%, 81%
HSV	300°, 25%, 93%
XYZ	65.4545, 55.3333, 86.5874
YIQ	201.3670, 16.2250, 30.8570

# Conversions

## Conversions Part 2

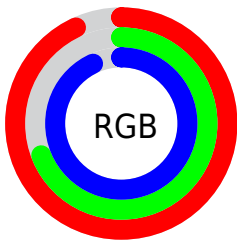
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">236, 177, 236</a>
Decimal	<a href="#">15512044</a>
CIELab	<a href="#">79.23, 31.05, -21.10</a>
CIELCh	<a href="#">79, 37.544, 325.806</a>
Yxy	<a href="#">55.3333, 0.3156, 0.2668</a>
Android (android.graphics.Color)	<a href="#">4293702124</a> ( <a href="#">0xFFECB1EC</a> )
YUV	<a href="#">201.3670, 17.0741, 30.3731</a>
Hunter-Lab	<a href="#">74.3864, 26.8907, -16.9445</a>

# Details

The XYZ color **65.4545, 55.3333, 86.5874** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **56.0649, 72.5140, 52.6397**, and the grayscale version is **55.6368, 58.5342, 63.7438**.

A 20% lighter version of the original color is **88.4289, 86.7578, 106.6930**, and **34.0363, 27.2943, 46.6544** is the 20% darker color. If you saturate the color by 10%, you get **61.1907, 46.8047, 85.1666**, and if you desaturate by 10%, it is **70.5278, 65.4789, 88.2792**.

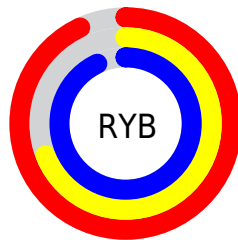
# Distribution



Red (93%)

Green (69%)

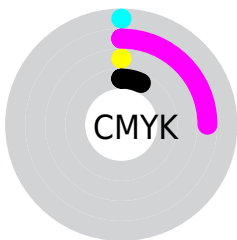
Blue (93%)



Red (93%)

Yellow (69%)

Blue (93%)

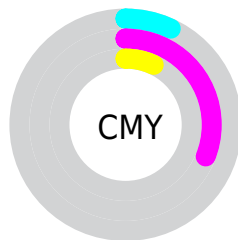


Cyan (0%)

Magenta (25%)

Yellow (0%)

Black (7%)



Cyan (7%)

Magenta (31%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.4545, 55.3333, 86.5874 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 65.4545, 55.3333, 86.5874 by changing the saturation by 10% instead.



65.4545, 55.3333,  
86.5874

65.4545, 55.3333,  
86.5874

433.9429,  
407.1741, 537.1471

48.0958, 39.6686,  
64.5961

111.7651, 98.0291,  
144.4827

34.1143, 27.2803,  
46.6844

141.4477,  
125.8291, 181.2238

23.1447, 17.7838,  
32.4337

175.9690,  
158.4429, 223.7186

14.8217, 10.7949,  
21.4254

215.6943,  
196.2550, 272.3857

8.7798, 5.9291,  
13.2411

260.9890,  
239.6498, 327.6435

4.6538, 2.8020,  
7.4621

312.2184,

2.0783, 1.0293,

289.0116, 389.9107

3.6699

369.7479,  
344.7249, 459.6057

■ 0.6774, 0.0000,  
1.4461

■ 0.0000, 0.0000,  
0.1773

■ 65.4545, 55.3333,  
86.5874

■ 65.4545, 55.3333,  
86.5874

■ 61.1907, 46.8047,  
85.1666

■ 70.5278, 65.4789,  
88.2792

■ 57.6897, 39.8027,  
83.9995

■ 76.4440, 77.3113,  
90.2514

■ 54.9081, 34.2396,  
83.0722

■ 83.2408, 90.9048,  
92.5171

■ 52.7960, 30.0155,  
82.3681

■ 85.4931, 95.4093,  
93.2680

51.2971, 27.0177,  
81.8683

85.4931, 95.4093,  
93.2681

50.3459, 25.1152,  
81.5511

85.4931, 95.4093,  
93.2682

49.8620, 24.1475,  
81.3897

85.4932, 95.4094,  
93.2684

49.7328, 23.8892,  
81.3466

85.4932, 95.4094,  
93.2685

85.4932, 95.4094,  
93.2686

# Harmonies

## Analogous

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



59.1281, 55.3333, 105.6398



65.4545, 55.3333, 86.5874



68.3373, 55.3333, 63.3219

# Triad

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



65.4545, 55.3333, 86.5874



53.6551, 55.3333, 27.7159



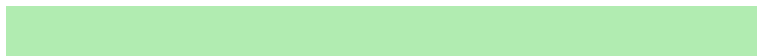
40.6415, 55.3333, 80.0899

# Complementary

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



65.4545, 55.3333, 86.5874



56.0649, 72.5140, 52.6397

# 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.



39.4736, 55.3333, 57.2763



65.4545, 55.3333, 86.5874



46.5575, 55.3333, 30.1754

# Square

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



65.4545, 55.3333, 86.5874



61.1266, 55.3333, 32.1220



41.5367, 55.3333, 39.8790



44.8924, 55.3333, 101.3054



# Rectangle

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



65.4545, 55.3333, 86.5874



67.7354, 55.3333, 49.6781



41.5367, 55.3333, 39.8790



39.8937, 55.3333, 72.2211

# Sweetspot

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



65.4562, 55.3357, 86.5886



89.6176, 89.1353, 107.0891



48.9964, 46.8504, 85.8186



19.0868, 18.8885, 22.8898



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.



65.4562, 55.3357, 86.5886



75.3100, 60.5201, 102.3196



61.5176, 53.7603, 65.8481



15.7149, 15.3138, 19.0498



27.4133, 13.1680, 44.8391



2.1526, 1.0340, 3.5210



# Inverse Universe

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



65.4562, 55.3357, 86.5886



75.3100, 60.5201, 102.3196



59.3304, 73.8202, 69.8354



15.7149, 15.3138, 19.0498



27.4133, 13.1680, 44.8391



2.1526, 1.0340, 3.5210



# Previews

## White Background



This preview shows how the XYZ color 65.4545, 55.3333, 86.5874 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

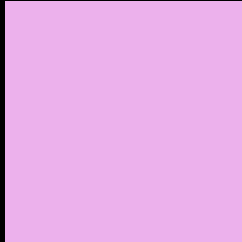
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.4545, 55.3333, 86.5874 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

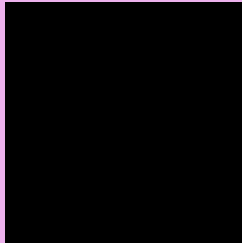
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 65.4545, 55.3333, 86.5874**

## **Background**



This preview shows how black text looks on a background with the XYZ color 65.4545, 55.3333, 86.5874.



This preview shows how white text looks on a background with the XYZ color 65.4545, 55.3333,



# 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

65.4545, 55.3333, 86.5874

### Protanopia

55.7635, 55.4282, 96.5666

### Deuteranopia

56.8463, 55.5882, 84.8243



## Tritanopia

60.2885, 55.3471, 60.9316

# Trichromacy



## Original Color

65.4545, 55.3333, 86.5874



## Protanomaly

58.6695, 55.0546, 93.1223



## Deuteranomaly

59.7730, 55.4782, 85.3999



## Tritanomaly

62.0118, 55.1249, 69.6591

# Monochromacy



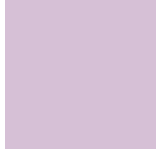
## Original Color

65.4545, 55.3333, 86.5874



## Achromatopsia

55.5167, 58.4078, 63.6061



## Achromatomaly

58.7188, 56.8505, 71.4967

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.4545, 55.3333, 86.5874 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(236, 177, 236)` looks like.

```
.text, #text, p{  
    color:rgb(236, 177, 236)  
}
```

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(236, 177, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 177, 236) }
```

## Border

The CSS property to change the border of an element to XYZ 65.4545, 55.3333, 86.5874 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(236, 177, 236) }
```



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

```
.border{ border-color:rgb(236, 177, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 177, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 177, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 177, 236);  
box-shadow:4px 4px 4px 4px rgb(236, 177,  
236) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.4545, 55.3333, 86.5874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 177, 236) }
```

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

```
.background{ background-color: rgb(236,  
177, 236) }
```

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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