

Converting Colors

XYZ(63.7197, 53.0046, 86.2165)

Have a look what the booklet for
XYZ(63.7197, 53.0046, 86.2165)
contains.

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Color

**XYZ(63.8245, 53.0536,
86.2333)**

Conversions

Conversions Part 1

Format	Color
Hex	EAACEC
RGB	234, 172, 236
RGB Percent	92%, 67%, 93%
CMY	0.0823, 0.3255, 0.0745
CMYK	0.01, 0.27, 0.00, 0.07
HSL	298°, 63%, 80%
HSV	298°, 27%, 93%
XYZ	63.8245, 53.0536, 86.2333
YIQ	197.8340, 16.4080, 33.0480

Conversions

Conversions Part 2

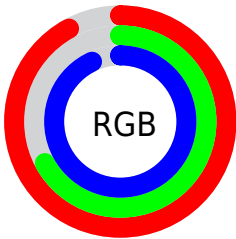
Format	Color
R_{YB}	234, 172, 236
Decimal	15379692
CIE _{Lab}	77.91, 33.07, -23.13
CIE _{LCh}	78, 40.362, 325.030
Yxy	53.0536, 0.3142, 0.2612
Android (android.graphics.Color)	4293569772 (0xFFEAACEC)
YUV	197.8340, 18.8158, 31.7176
Hunter-Lab	72.8379, 28.9450, -19.2073

Details

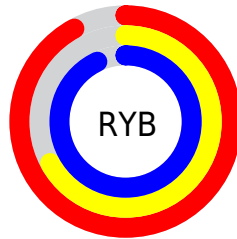
The XYZ color **63.8245, 53.0536, 86.2333** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **54.8993, 71.9694, 50.0304**, and the grayscale version is **53.4596, 56.2436, 61.2493**.

A 20% lighter version of the original color is **87.0334, 83.9668, 106.2278**, and **32.9665, 25.8361, 46.4293** is the 20% darker color. If you saturate the color by 10%, you get **59.4846, 44.7315, 84.8565**, and if you desaturate by 10%, it is **68.9663, 62.9760, 87.8783**.

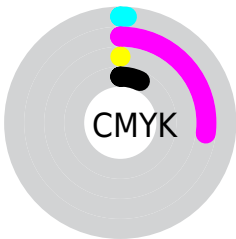
Distribution



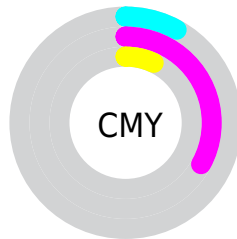
- Red (92%)
- Green (67%)
- Blue (93%)



- Red (92%)
- Yellow (67%)
- Blue (93%)



- Cyan (1%)
- Magenta (27%)
- Yellow (0%)
- Black (7%)





- Cyan (8%)
- Magenta (33%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.8245, 53.0536, 86.2333 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 63.8245, 53.0536, 86.2333 by changing the saturation by 10% instead.


 63.8245, 53.0536,
86.2333

 63.8245, 53.0536,
86.2333

428.1679,
398.4907, 535.9508

 46.7697, 37.8456,
64.3049


 109.4333, 94.6832,
143.9844

 33.0608, 25.8628,
46.4499


138.7180,
121.8736, 180.6443

 22.3325, 16.7211,
32.2498


172.8100,
153.8269, 223.0516

 14.2194, 10.0358,
21.2860

212.0748,
190.9275, 271.6251

 8.3561, 5.4227,
13.1399

256.8776,
233.5598, 326.7832

 4.3774, 2.4974,
7.3931

307.5838,

 1.9178, 0.8753,

282.1081, 388.9445

3.6270

364.5588,
336.9570, 458.5275

■ 0.5871, 0.0000,
1.4230

■ 0.0000, 0.0000,
0.1596

■ 63.8245, 53.0536,
86.2333

■ 63.8245, 53.0536,
86.2333

■ 59.4846, 44.7315,
84.8565

■ 68.9663, 62.9760,
87.8783

■ 55.8994, 37.9182,
83.7303


■ 74.9440, 74.5698,
89.8011


■ 53.0245, 32.5240,
82.8407


■ 81.7959, 87.9105,
92.0149


■ 50.8087, 28.4466,
82.1704


■ 85.8091, 95.5723,
93.2823


 49.1941, 25.5701,
81.7003


 86.0558, 95.6994,
93.2938


 48.1127, 23.7585,
81.4077


 86.3035, 95.8271,
93.3054

 47.4764, 22.8356,
81.2631

 86.5521, 95.9553,
93.3171

 47.3348, 22.6530,
81.2353

 86.8018, 96.0840,
93.3288

 87.0526, 96.2133,
93.3405

Harmonies

Analogous

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



57.0811, 53.0536, 106.4177



63.8245, 53.0536, 86.2333



66.9960, 53.0536, 61.5905

Triad

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



63.8245, 53.0536, 86.2333



51.7440, 53.0536, 24.5314



37.9556, 53.0536, 78.0400

Complementary

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



63.8245, 53.0536, 86.2333



54.8993, 71.9694, 50.0304

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.



36.8414, 53.0536, 54.1038



63.8245, 53.0536, 86.2333



44.3092, 53.0536, 26.7983

Square

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



63.8245, 53.0536, 86.2333



59.5751, 53.0536, 29.1044



39.0473, 53.0536, 36.3749



42.2648, 53.0536, 100.8917

Rectangle

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



63.8245, 53.0536, 86.2333



66.4425, 53.0536, 47.2719



39.0473, 53.0536, 36.3749



37.2153, 53.0536, 69.7093

Sweetspot

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



63.8262, 53.0559, 86.2344



88.6498, 87.5472, 106.8337



47.3177, 45.1531, 85.5791



18.7332, 18.2697, 22.7890



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.



63.8262, 53.0559, 86.2344



72.8639, 57.0539, 101.7799



60.5031, 51.8029, 65.2895



15.6656, 15.2884, 19.0475



26.1132, 12.4978, 44.7790



2.0652, 0.9889, 3.5169

Inverse Universe

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



56.9864, 50.3963, 46.7708



63.3639, 53.3649, 46.7395



57.6554, 73.0208, 66.8521



15.0845, 15.0617, 15.7305



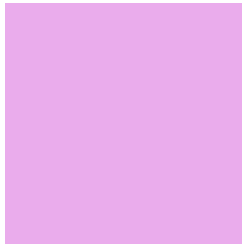
19.0988, 9.8422, 1.0556



1.5064, 0.7755, 0.1183

Previews

White Background



This preview shows how the XYZ color 63.8245, 53.0536, 86.2333 looks on a white background.

Color Contrast Check

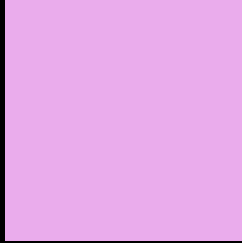
Large Text (above 18pt) WCAG AA × Fail

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 63.8245, 53.0536, 86.2333 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 63.8245, 53.0536, 86.2333

Background



This preview shows how black text looks on a background with the XYZ color 63.8245, 53.0536, 86.2333.



This preview shows how white text looks on a background with the XYZ color 63.8245, 53.0536,

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

63.8245, 53.0536, 86.2333

Protanopia

54.0898, 53.5661, 97.1110

Deuteranopia

54.6438, 53.4849, 84.5344



Tritanopia

58.0538, 53.0315, 58.2153

Trichromacy



Original Color

63.8245, 53.0536, 86.2333



Protanomaly

56.7583, 52.8184, 92.7914



Deuteranomaly

57.5169, 53.0729, 85.0545



Tritanomaly

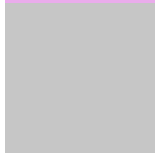
59.8639, 52.8707, 67.3715

Monochromacy



Original Color

63.8245, 53.0536, 86.2333



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

56.9452, 54.9975, 69.9016

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8245, 53.0536, 86.2333 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(234, 172, 236)` looks like.

```
.text, #text, p{  
    color:rgb(234, 172, 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(234, 172, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 172, 236) }
```

Border

The CSS property to change the border of an element to XYZ 63.8245, 53.0536, 86.2333 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(234, 172, 236) }
```


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

```
.border{ border-color:rgb(234, 172, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 172, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 172, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 172, 236);  
box-shadow:4px 4px 4px 4px rgb(234, 172,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8245, 53.0536, 86.2333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 172, 236) }
```

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

```
.background{ background-color: rgb(234,  
172, 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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