

Converting Colors

XYZ(63.0118, 52.4534, 86.6232)

Have a look what the booklet for
XYZ(63.0118, 52.4534, 86.6232)
contains.

XYZ(63.1277, 52.3960, 86.9070)	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(63.1277, 52.3960,
86.9070)**

Conversions

Conversions Part 1

Format	Color
Hex	E8ABED
RGB	232, 171, 237
RGB Percent	91%, 67%, 93%
CMY	0.0902, 0.3294, 0.0706
CMYK	0.02, 0.28, 0.00, 0.07
HSL	295°, 65%, 80%
HSV	295°, 28%, 93%
XYZ	63.1277, 52.3960, 86.9070
YIQ	196.7630, 15.1700, 33.4580

Conversions

Conversions Part 2

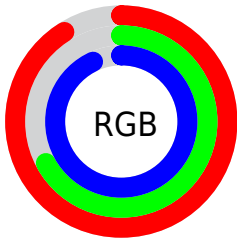
Format	Color
R_{YB}	232, 171, 237
Decimal	15248365
CIE _{Lab}	77.52, 33.15, -24.29
CIE _{LCh}	78, 41.097, 323.777
Yxy	52.3960, 0.3118, 0.2588
Android (android.graphics.Color)	4293438445 (0xFFE8ABED)
YUV	196.7630, 19.8368, 30.9028
Hunter-Lab	72.3851, 28.9976, -20.5152

Details

The XYZ color **63.1277, 52.3960, 86.9070** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **55.5411, 72.7400, 49.6434**, and the grayscale version is **52.8072, 55.5573, 60.5019**.

A 20% lighter version of the original color is **86.7591, 83.4182, 106.1364**, and **32.7234, 25.5232, 46.9178** is the 20% darker color. If you saturate the color by 10%, you get **58.4669, 43.9340, 85.5201**, and if you desaturate by 10%, it is **68.6004, 62.4707, 88.5640**.

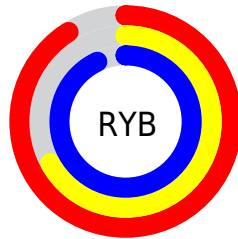
Distribution



Red (91%)

Green (67%)

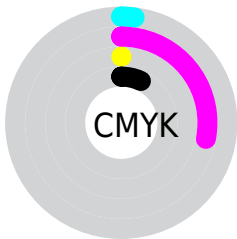
Blue (93%)



Red (91%)

Yellow (67%)

Blue (93%)

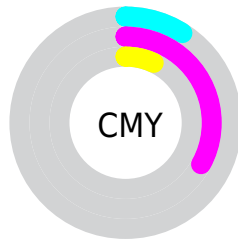


Cyan (2%)

Magenta (28%)

Yellow (0%)

Black (7%)



Cyan (9%)


Magenta (33%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.1277, 52.3960, 86.9070 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 63.1277, 52.3960, 86.9070 by changing the saturation by 10% instead.


 63.1277, 52.3960,
86.9070

 63.1277, 52.3960,
86.9070


425.6851,
395.9635, 538.2255

 46.2036, 37.3208,
64.8591

 108.4345, 93.7150,
144.9322

 32.6118, 25.4560,
46.8962


137.5479,
120.7276, 181.7466

 21.9870, 16.4171,
32.5998


171.4550,
152.4881, 224.3202

 13.9639, 9.8198,
21.5515

210.5213,
189.3810, 273.0716

 8.1771, 5.2796,
13.3325

255.1121,
231.7905, 328.4192

 4.2612, 2.4123,
7.5245

305.5928,

 1.8510, 0.8322,

280.1012, 390.7818

3.7089

362.3287,
334.6974, 460.5777

■ 0.5481, 0.0000,
1.4670

■ 0.0000, 0.0000,
0.1932

■ 63.1277, 52.3960,
86.9070

■ 63.1277, 52.3960,
86.9070

■ 58.4669, 43.9340,
85.5201

■ 68.6004, 62.4707,
88.5640

■ 54.5700, 36.9922,
84.3856


■ 74.9197, 74.2308,
90.5008


■ 51.3918, 31.4791,
83.4889


■ 82.1243, 87.7527,
92.7311


■ 48.8802, 27.2904,
82.8128


■ 86.7046, 96.0171,
94.0849


 46.9761, 24.3078,
82.3375


 87.3144, 96.3314,
94.1134


 45.6097, 22.3920,
82.0397


 87.9302, 96.6489,
94.1422

 44.6861, 21.3529,
81.8878

 88.5521, 96.9695,
94.1713

 44.5142, 21.1820,
81.8639

 89.1801, 97.2932,
94.2007

 89.8141, 97.6201,
94.2304

Harmonies

Analogous

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



56.1982, 52.3960, 107.0080



63.1277, 52.3960, 86.9070



66.5302, 52.3960, 61.9108

Triad

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



63.1277, 52.3960, 86.9070



51.4702, 52.3960, 23.7434



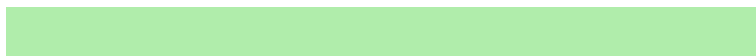
37.1214, 52.3960, 76.5085

Complementary

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



63.1277, 52.3960, 86.9070



55.5411, 72.7400, 49.6434

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.



36.1410, 52.3960, 52.4512



63.1277, 52.3960, 86.9070



43.9084, 52.3960, 25.7165

Square

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



63.1277, 52.3960, 86.9070



59.3553, 52.3960, 28.5978



38.4954, 52.3960, 34.9593



41.3310, 52.3960, 99.9761

Rectangle

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



63.1277, 52.3960, 86.9070



66.1083, 52.3960, 47.2790



38.4954, 52.3960, 34.9593



36.4232, 52.3960, 68.0829

Sweetspot

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



63.1294, 52.3983, 86.9081



88.3177, 87.3760, 106.8181



47.7063, 46.0219, 86.4902



18.6489, 18.2262, 22.7851



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.



63.1294, 52.3983, 86.9081



71.5182, 56.3602, 101.7169



61.0602, 51.7608, 67.4210



15.5957, 15.2523, 19.0443



24.3530, 11.5903, 44.6966



1.9459, 0.9274, 3.5113

Inverse Universe

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



57.3261, 50.2671, 47.7575



63.7328, 53.5125, 48.6822



57.3313, 73.3279, 64.8630



15.1118, 15.0726, 15.8738



19.1451, 9.8607, 1.2996



1.5195, 0.7808, 0.1871

Previews

White Background



This preview shows how the XYZ color 63.1277, 52.3960, 86.9070 looks on a white background.

Color Contrast Check

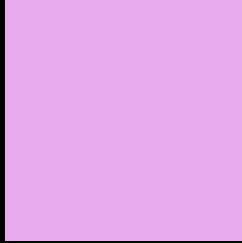
Large Text (above 18pt) WCAG AA × Fail

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 63.1277, 52.3960, 86.9070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

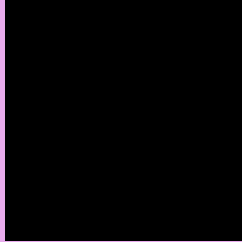
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.1277, 52.3960, 86.9070

Background



This preview shows how black text looks on a background with the XYZ color 63.1277, 52.3960, 86.9070.



This preview shows how white text looks on a background with the XYZ color 63.1277, 52.3960,

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

63.1277, 52.3960, 86.9070

Protanopia

53.5733, 52.9591, 97.8410

Deuteranopia

53.8208, 52.7258, 85.1823



Tritanopia

57.1098, 52.2592, 57.5291

Trichromacy



Original Color

63.1277, 52.3960, 86.9070



Protanomaly

56.1799, 52.1953, 93.4999



Deuteranomaly

56.9002, 52.4332, 85.7189



Tritanomaly

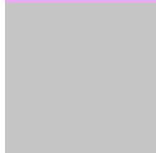
59.0289, 52.1481, 67.2760

Monochromacy



Original Color

63.1277, 52.3960, 86.9070



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

56.4452, 54.4215, 69.8168

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.1277, 52.3960, 86.9070 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(232, 171, 237)` looks like.

```
.text, #text, p{  
    color:rgb(232, 171, 237)  
}
```

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(232, 171, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 171, 237) }
```

Border

The CSS property to change the border of an element to XYZ 63.1277, 52.3960, 86.9070 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(232, 171, 237) }
```


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

```
.border{ border-color:rgb(232, 171, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 171, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 171, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 171, 237);  
box-shadow:4px 4px 4px 4px rgb(232, 171,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 63.1277, 52.3960, 86.9070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 171, 237) }
```

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

```
.background{ background-color: rgb(232,  
171, 237) }
```

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