

Converting Colors

XYZ(63.5387, 51.3256, 83.9602)

Have a look what the booklet for
XYZ(63.5387, 51.3256, 83.9602)
contains.

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Color

**XYZ(63.6041, 51.3328,
83.6467)**

Conversions

Conversions Part 1

Format	Color
Hex	EEA6E9
RGB	238, 166, 233
RGB Percent	93%, 65%, 91%
CMY	0.0667, 0.3490, 0.0863
CMYK	0.00, 0.30, 0.02, 0.07
HSL	304°, 68%, 79%
HSV	304°, 30%, 93%
XYZ	63.6041, 51.3328, 83.6467
YIQ	195.1660, 21.4050, 36.1010

Conversions

Conversions Part 2

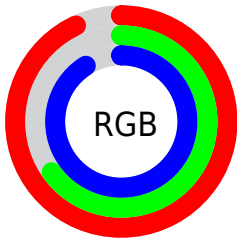
Format	Color
R _Y B	238, 166, 233
Decimal	15640297
CIE Lab	76.88, 36.99, -23.03
CIE LCh	77, 43.579, 328.092
Yxy	51.3328, 0.3203, 0.2585
Android (android.graphics.Color)	4293830377 (0xFFEEA6E9)
YUV	195.1660, 18.6522, 37.5654
Hunter-Lab	71.6469, 33.0802, -19.0674

Details

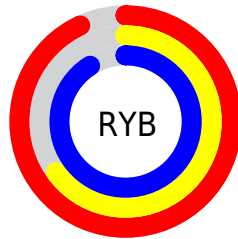
The XYZ color **63.6041, 51.3328, 83.6467** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **53.6532, 72.1980, 49.6388**, and the grayscale version is **51.8555, 54.5560, 59.4115**.

A 20% lighter version of the original color is **85.4113, 80.7226, 105.6871**, and **32.8970, 24.8083, 44.6496** is the 20% darker color. If you saturate the color by 10%, you get **59.4370, 43.3738, 81.0985**, and if you desaturate by 10%, it is **68.5772, 60.8983, 86.4756**.

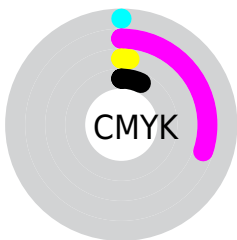
Distribution



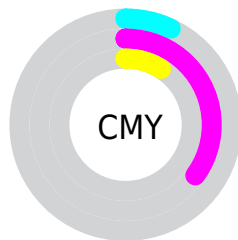
- Red (93%)
- Green (65%)
- Blue (91%)



- Red (93%)
- Yellow (65%)
- Blue (91%)



- Cyan (0%)
- Magenta (30%)
- Yellow (2%)
- Black (7%)





- Cyan (7%)
- Magenta (35%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.6041, 51.3328, 83.6467 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 63.6041, 51.3328, 83.6467 by changing the saturation by 10% instead.


 63.6041, 51.3328,
83.6467


 63.6041, 51.3328,
83.6467


427.3835,
391.8554, 527.1666

 46.5906, 36.4735,
62.1801

 109.1175, 92.1465,
140.3382

 32.9187, 24.8001,
44.7415

 138.3481,
118.8698, 176.4001

 22.2231, 15.9282,
30.9124


172.3818,
150.3164, 218.1642

 14.1384, 9.4734,
20.2742

211.5838,
186.8710, 266.0491

 8.2994, 5.0512,
12.4085

256.3197,
228.9177, 320.4732

 4.3405, 2.2773,
6.8966

306.9547,

 1.8965, 0.7617,

276.8411, 381.8552

3.3201

363.8542,
331.0256, 450.6135

■ 0.5748, 0.0000,
1.2603

■ 0.0000, 0.0000,
0.0289

■ 63.6041, 51.3328,
83.6467

■ 63.6041, 51.3328,
83.6467

■ 59.4370, 43.3738,
81.0985

■ 68.5772, 60.8983,
86.4756

■ 56.0267, 36.9259,
78.8129

■ 74.3923, 72.1452,
89.5955

■ 53.3265, 31.8946,
76.7749

■ 81.0890, 85.1518,
93.0203

■ 51.2821, 28.1715,
74.9663

■ 86.6911, 95.9657,
96.0912

49.8317, 25.6326,
73.3665

86.9374, 96.0642,
97.3878

48.9013, 24.1305,
71.9508

87.1858, 96.1636,
98.6963

48.3744, 23.4230,
70.7076

87.4366, 96.2639,
100.0166

87.6895, 96.3651,
101.3487

87.9448, 96.4671,
102.6928

Harmonies

Analogous

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



56.6841, 51.3328, 106.5856



63.6041, 51.3328, 83.6467



66.5097, 51.3328, 57.4258

Triad

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



63.6041, 51.3328, 83.6467



49.3227, 51.3328, 21.5665



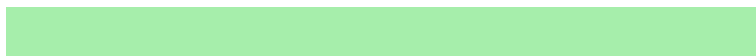
36.0409, 51.3328, 80.2509

Complementary

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



63.6041, 51.3328, 83.6467



53.6532, 72.1980, 49.6388

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.



34.5357, 51.3328, 54.3872



63.6041, 51.3328, 83.6467



41.6656, 51.3328, 24.5283

Square

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



63.6041, 51.3328, 83.6467



57.7056, 51.3328, 25.4162



36.4761, 51.3328, 35.0770



40.8440, 51.3328, 104.2663

Rectangle

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



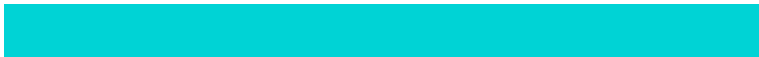
63.6041, 51.3328, 83.6467



65.5567, 51.3328, 42.8861



36.4761, 51.3328, 35.0770



35.1581, 51.3328, 71.2944

Sweetspot

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



63.6057, 51.3351, 83.6478



87.9051, 86.1191, 105.2575



45.8222, 42.0836, 86.5979



18.5852, 17.9870, 22.4093



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.



63.6057, 51.3351, 83.6478



71.4130, 54.3416, 96.0405



58.9990, 49.4924, 59.3892



16.4041, 16.0114, 19.6842



27.0077, 13.0755, 39.5526



2.2609, 1.0934, 3.3648

Inverse Universe

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



63.6057, 51.3351, 83.6478



71.4130, 54.3416, 96.0405



57.5404, 73.7529, 70.1084



16.4041, 16.0114, 19.6842



27.0077, 13.0755, 39.5526



2.2609, 1.0934, 3.3648

Previews

White Background



This preview shows how the XYZ color 63.6041, 51.3328, 83.6467 looks on a white background.

Color Contrast Check

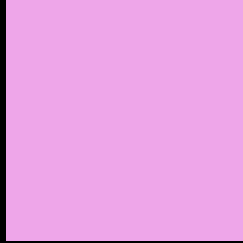
Large Text (above 18pt) WCAG AA × Fail

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 63.6041, 51.3328, 83.6467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

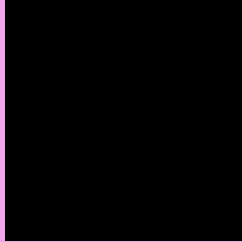
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.6041, 51.3328, 83.6467

Background



This preview shows how black text looks on a background with the XYZ color 63.6041, 51.3328, 83.6467.



This preview shows how white text looks on a background with the XYZ color 63.6041, 51.3328,

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

63.6041, 51.3328, 83.6467

Protanopia

52.5377, 51.8047, 96.8528

Deuteranopia

52.6880, 51.5938, 81.3104



Tritanopia

57.6858, 51.4466, 54.4668

Trichromacy



Original Color

63.6041, 51.3328, 83.6467



Protanomaly

55.5249, 50.9839, 91.7084



Deuteranomaly

56.1352, 51.2188, 81.7905



Tritanomaly

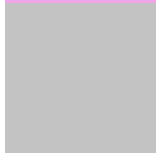
59.5833, 51.3571, 63.8993

Monochromacy



Original Color

63.6041, 51.3328, 83.6467



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

55.5131, 52.7333, 67.5743

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.6041, 51.3328, 83.6467 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(238, 166, 233)` looks like.

```
.text, #text, p{  
    color:rgb(238, 166, 233)  
}
```

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(238, 166, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 166, 233) }
```

Border

The CSS property to change the border of an element to XYZ 63.6041, 51.3328, 83.6467 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(238, 166, 233) }
```


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

```
.border{ border-color:rgb(238, 166, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 166, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(238, 166, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(238, 166, 233); box-shadow:4px 4px 4px 4px rgb(238, 166, 233) }
```

Background

The CSS property to change the background color of an element to XYZ 63.6041, 51.3328, 83.6467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 166, 233) }
```

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

```
.background{ background-color: rgb(238,  
166, 233) }
```

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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