

Converting Colors

XYZ(63.0062, 47.3058,
100.4179)

Have a look what the booklet for
XYZ(63.0062, 47.3058, 100.4179)
contains.

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Color

**XYZ(63.0455, 47.3261,
100.4197)**

Conversions

Conversions Part 1

Format	Color
Hex	E999FF
RGB	233, 153, 255
RGB Percent	91%, 60%, 100%
CMY	0.0863, 0.4000, 0.0000
CMYK	0.09, 0.40, 0.00, 0.00
HSL	287°, 100%, 80%
HSV	287°, 40%, 100%
XYZ	63.0455, 47.3261, 100.4197
YIQ	188.5480, 14.9380, 48.6820

Conversions

Conversions Part 2

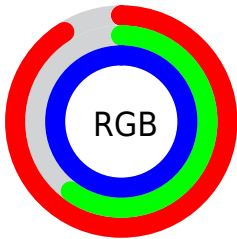
Format	Color
R_{YB}	233, 153, 255
Decimal	15309311
CIE _{Lab}	74.40, 46.41, -38.82
CIE _{LCh}	74, 60.504, 320.089
Yxy	47.3261, 0.2991, 0.2245
Android (android.graphics.Color)	4293499391 (0xFFE999FF)
YUV	188.5480, 32.7608, 38.9844
Hunter-Lab	68.7940, 43.1950, -38.3908

Details

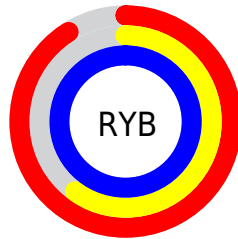
The XYZ color **63.0455, 47.3261, 100.4197** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **59.1900, 82.9344, 43.0274**, and the grayscale version is **47.9264, 50.4223, 54.9099**.

A 20% lighter version of the original color is **82.0905, 74.0809, 104.5802**, and **32.6547, 22.4217, 56.0328** is the 20% darker color. If you saturate the color by 10%, you get **57.5420, 38.9422, 99.0915**, and if you desaturate by 10%, it is **69.4997, 57.5262, 102.0484**.

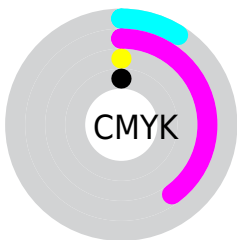
Distribution



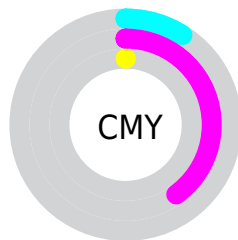
- Red (91%)
- Green (60%)
- Blue (100%)



- Red (91%)
- Yellow (60%)
- Blue (100%)



- Cyan (9%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)





- Cyan (9%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.0455, 47.3261, 100.4197 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 63.0455, 47.3261, 100.4197 by changing the saturation by 10% instead.


 63.0455, 47.3261,
100.4197


 63.0455, 47.3261,
100.4197


425.3916,
376.1147, 582.7956

 46.1368, 33.2935,
76.0323

 108.3166, 86.2002,
163.7907

 32.5589, 22.3514,
55.9521


 137.4097,
111.8105, 203.6114

 21.9463, 14.1153,
39.7608


171.2950,
142.0488, 249.4136

 13.9339, 8.2009,
27.0397

210.3378,
177.2996, 301.6157

 8.1561, 4.2238,
17.3704

254.9036,
217.9471, 360.6365

 4.2476, 1.7995,
10.3342

305.3575,

 1.8432, 0.4869,

264.3759, 426.8944

5.5126

362.0651,
316.9703, 500.8079

■ 0.5435, 0.0000,
2.4871

■ 0.0000, 0.0000,
0.8333

■ 63.0455, 47.3261,
100.4197

■ 63.0455, 47.3261,
100.4197

■ 57.5420, 38.9422,
99.0915

■ 69.4997, 57.5262,
102.0484

■ 52.9268, 32.2537,
98.0438

■ 76.9528, 69.6414,
103.9940

■ 49.1371, 27.1344,
97.2554

■ 85.4551, 83.7704,
106.2731

■ 46.0989, 23.4374,
96.7019

95.0500, 100.0000,
108.9000

■ 43.7244, 20.9879,
96.3543

■ 41.8704, 19.5000,
96.1648

■ 41.8701, 19.4997,
96.1648

Harmonies

Analogous

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



52.5703, 47.3261, 130.9365



63.0455, 47.3261, 100.4197



68.9423, 47.3261, 62.5646

Triad

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



63.0455, 47.3261, 100.4197



48.6859, 47.3261, 12.1385



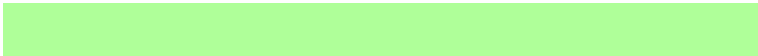
28.0328, 47.3261, 75.0140

Complementary

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



63.0455, 47.3261, 100.4197



59.1900, 82.9344, 43.0274

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.



27.3367, 47.3261, 41.8759



63.0455, 47.3261, 100.4197



38.1616, 47.3261, 13.2202

Square

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



63.0455, 47.3261, 100.4197



59.8102, 47.3261, 17.8444



30.7474, 47.3261, 21.8204



32.8327, 47.3261, 112.6294

Rectangle

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



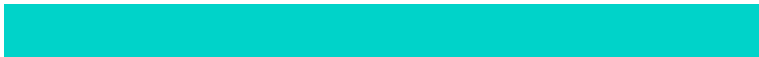
63.0455, 47.3261, 100.4197



68.9272, 47.3261, 41.7158



30.7474, 47.3261, 21.8204



27.3448, 47.3261, 62.7742

Sweetspot

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



63.0470, 47.3281, 100.4200



83.6668, 80.7763, 105.7894



46.5380, 44.6932, 100.7816



17.6634, 16.8809, 22.5773



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.



63.0470, 47.3281, 100.4200



58.5689, 40.4782, 99.3339



66.3734, 49.5406, 78.0885



18.3867, 18.0911, 22.7728



22.0095, 10.2568, 50.2543



2.2337, 1.0455, 4.8973

Inverse Universe

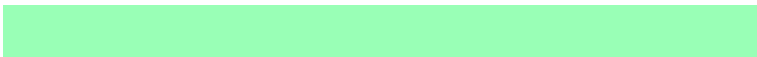
The Inverse Universe completely reimagines the original color for something new.



60.3702, 47.1393, 46.4758



55.8308, 40.4289, 37.6613



57.3313, 81.6662, 56.9452



18.1697, 18.0512, 19.5107



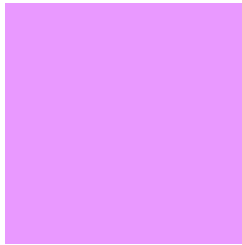
21.9534, 11.2706, 3.1390



2.1757, 1.1127, 0.5067

Previews

White Background



This preview shows how the XYZ color 63.0455, 47.3261, 100.4197 looks on a white background.

Color Contrast Check

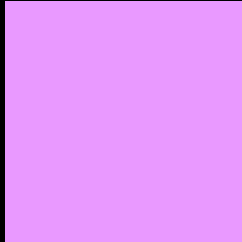
Large Text (above 18pt) WCAG AA × Fail

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 63.0455, 47.3261, 100.4197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

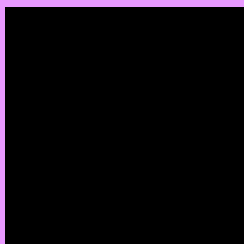
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.0455, 47.3261, 100.4197

Background



This preview shows how black text looks on a background with the XYZ color 63.0455, 47.3261, 100.4197.



This preview shows how white text looks on a background with the XYZ color 63.0455, 47.3261,

100.4197.

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

63.0455, 47.3261, 100.4197

Protanopia

49.0711, 47.7413, 101.2364

Deuteranopia

48.8834, 47.7364, 97.0801



Tritanopia

52.7557, 47.2829, 50.6020

Trichromacy



Original Color

63.0455, 47.3261, 100.4197



Protanomaly

53.1064, 46.9106, 100.8634



Deuteranomaly

52.8726, 46.8455, 98.3508

Tritanomaly

55.9698, 46.9666, 66.4371

Monochromacy



Original Color

63.0455, 47.3261, 100.4197



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

52.7124, 48.8339, 69.5984

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.0455, 47.3261, 100.4197 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(233, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(233, 153, 255)  
}
```

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(233, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 153, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.0455, 47.3261, 100.4197 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(233, 153, 255) }
```


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

```
.border{ border-color:rgb(233, 153, 255) }
```

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

Here you see how a box with a 4 pixel rgb(233, 153, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(233, 153,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.0455, 47.3261, 100.4197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 153, 255) }
```

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

```
.background{ background-color: rgb(233,  
153, 255) }
```

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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