

Converting Colors

XYZ(62.8379, 49.2259, 91.5303)

Have a look what the booklet for
XYZ(62.8379, 49.2259, 91.5303)
contains.

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Color

**XYZ(62.8316, 49.1657,
91.7663)**

Conversions

Conversions Part 1

Format	Color
Hex	EAA0F4
RGB	234, 160, 244
RGB Percent	92%, 63%, 96%
CMY	0.0823, 0.3725, 0.0431
CMYK	0.04, 0.34, 0.00, 0.04
HSL	293°, 79%, 79%
HSV	293°, 34%, 96%
XYZ	62.8316, 49.1657, 91.7663
YIQ	191.7020, 17.1400, 41.8120

Conversions

Conversions Part 2

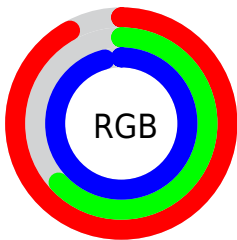
Format	Color
RYB	234, 160, 244
Decimal	15376628
CIELab	75.55, 40.93, -31.06
CIELCh	76, 51.385, 322.803
Yxy	49.1657, 0.3084, 0.2413
Android (android.graphics.Color)	4293566708 (0xFFEAA0F4)
YUV	191.7020, 25.7829, 37.0953
Hunter-Lab	70.1183, 37.2434, -28.5122

Details

The XYZ color **62.8316, 49.1657, 91.7663** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **55.2751, 75.7867, 44.9751**, and the grayscale version is **49.7782, 52.3705, 57.0315**.

A 20% lighter version of the original color is **83.8459, 77.5917, 105.1653**, and **32.4663, 23.4933, 50.4005** is the 20% darker color. If you saturate the color by 10%, you get **58.0642, 41.0341, 90.4487**, and if you desaturate by 10%, it is **68.4479, 58.9697, 93.3634**.

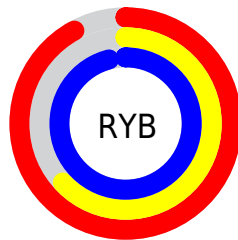
Distribution



Red (92%)

Green (63%)

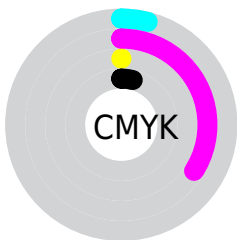
Blue (96%)



Red (92%)

Yellow (63%)

Blue (96%)

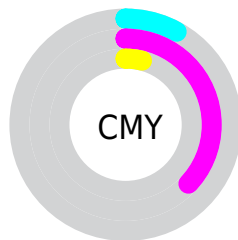


Cyan (4%)

Magenta (34%)

Yellow (0%)

Black (4%)



Cyan (8%)


Magenta (37%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.8316, 49.1657, 91.7663 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 62.8316, 49.1657, 91.7663 by changing the saturation by 10% instead.


 62.8316, 49.1657,
91.7663


 62.8316, 49.1657,
91.7663


424.6275,
383.3943, 554.4776

 45.9631, 34.7509,
68.8646

 108.0097, 88.9375,
151.7463

 32.4212, 23.4711,
50.1304


 137.0500,
115.0633, 189.6617

 21.8405, 14.9417,
35.1451

170.8784,
145.8617, 233.4188

 13.8557, 8.7785,
23.4902

209.8601,
181.7169, 283.4360

 8.1014, 4.5970,
14.7472

254.3605,
223.0133, 340.1320

 4.2123, 2.0128,
8.4975

304.7449,

 1.8229, 0.6149,

270.1354, 403.9252

4.3226

361.3788,
323.4676, 475.2342

■ 0.5314, 0.0000,
1.8039

■ 0.0000, 0.0000,
0.4306

■ 62.8316, 49.1657,
91.7663

■ 62.8316, 49.1657,
91.7663

■ 58.0642, 41.0341,
90.4487

■ 68.4479, 58.9697,
93.3634

■ 54.0920, 34.4708,
89.3913

■ 74.9531, 70.5294,
95.2518

■ 50.8628, 29.3704,
88.5770

■ 82.3905, 83.9301,
97.4464

■ 48.3156, 25.6113,
87.9856

■ 89.9623, 97.5760,
99.6812

46.3800, 23.0526,
87.5938

90.9872, 98.1043,
99.7292

44.9697, 21.5217,
87.3726

92.0280, 98.6409,
99.7779

44.3400, 20.9718,
87.2997

93.0849, 99.1857,
99.8273

93.3293, 99.3117,
99.8388

Harmonies

Analogous

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



54.1684, 49.1657, 117.6343



62.8316, 49.1657, 91.7663



67.2814, 49.1657, 60.3530

Triad

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



62.8316, 49.1657, 91.7663



49.0548, 49.1657, 16.6137



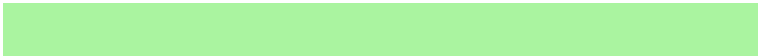
31.8420, 49.1657, 76.4587

Complementary

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



62.8316, 49.1657, 91.7663



55.2751, 75.7867, 44.9751

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.



30.8589, 49.1657, 47.2473



62.8316, 49.1657, 91.7663



40.0067, 49.1657, 18.3554

Square

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



62.8316, 49.1657, 91.7663



58.6577, 49.1657, 21.7544



33.6458, 49.1657, 27.7395



36.5408, 49.1657, 106.9083

Rectangle

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



62.8316, 49.1657, 91.7663



66.8868, 49.1657, 42.7634



33.6458, 49.1657, 27.7395



31.0946, 49.1657, 65.9743

Sweetspot

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



62.8332, 49.1678, 91.7674



86.3398, 84.2245, 106.3141



45.4291, 43.2090, 91.5345



18.2366, 17.5891, 22.6838



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.



62.8332, 49.1678, 91.7674



65.8366, 48.1520, 100.4320



61.9162, 49.1911, 69.3171



17.0081, 16.6623, 20.8623



24.1866, 11.4430, 47.4720



2.1795, 1.0334, 4.1748

Inverse Universe

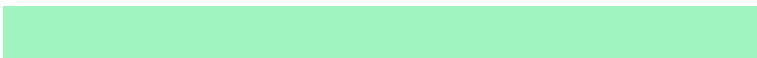
The Inverse Universe completely reimagines the original color for something new.



57.1364, 47.2791, 44.1468



58.8199, 45.8572, 40.3528



56.2316, 75.9290, 60.8690



16.5794, 16.5146, 17.5315



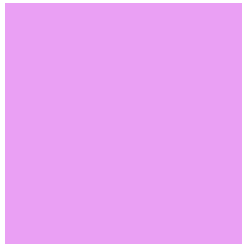
20.4325, 10.5164, 1.7201



1.8212, 0.9344, 0.2849

Previews

White Background



This preview shows how the XYZ color 62.8316, 49.1657, 91.7663 looks on a white background.

Color Contrast Check

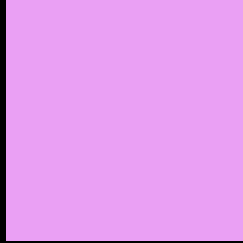
Large Text (above 18pt) WCAG AA × Fail

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 62.8316, 49.1657, 91.7663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

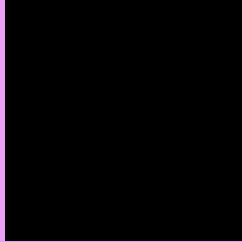
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 62.8316, 49.1657, 91.7663

Background



This preview shows how black text looks on a background with the XYZ color 62.8316, 49.1657, 91.7663.



This preview shows how white text looks on a background with the XYZ color 62.8316, 49.1657,

91.7663.

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

62.8316, 49.1657, 91.7663

Protanopia

50.7075, 49.5003, 101.4897

Deuteranopia

50.5662, 49.3883, 89.3059



Tritanopia

54.8735, 49.1766, 52.4988

Trichromacy



Original Color

62.8316, 49.1657, 91.7663



Protanomaly

53.9778, 48.5721, 97.7972



Deuteranomaly

54.2331, 48.8811, 89.7957



Tritanomaly

57.4563, 49.1195, 64.8453

Monochromacy



Original Color

62.8316, 49.1657, 91.7663



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

53.8113, 50.6111, 68.5608

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.8316, 49.1657, 91.7663 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, 160, 244)` looks like.

```
.text, #text, p{  
    color:rgb(234, 160, 244)  
}
```

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, 160, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 160, 244) }
```

Border

The CSS property to change the border of an element to XYZ 62.8316, 49.1657, 91.7663 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, 160, 244) }
```


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

```
.border{ border-color:rgb(234, 160, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 160, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 160, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 160, 244);  
box-shadow:4px 4px 4px 4px rgb(234, 160,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 62.8316, 49.1657, 91.7663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 160, 244) }
```

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

```
.background{ background-color: rgb(234,  
160, 244) }
```

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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