

Converting Colors

XYZ(62.1814, 46.4396, 88.1829)

Have a look what the booklet for XYZ(62.1814, 46.4396, 88.1829) contains.

XYZ(62.2311, 46.4547, 88.1248) 3
***Conversions* 4**
***Details* 6**
***Harmonies* 12**
***Previews* 24**
***Color Blindness Simulation* 28**
***CSS Examples* 31**

Color

**XYZ(62.2311, 46.4547,
88.1248)**

Conversions

Conversions Part 1

Format	Color
Hex	EF96F0
RGB	239, 150, 240
RGB Percent	94%, 59%, 94%
CMY	0.0627, 0.4117, 0.0588
CMYK	0.00, 0.37, 0.00, 0.06
HSL	299°, 75%, 76%
HSV	299°, 37%, 94%
XYZ	62.2311, 46.4547, 88.1248
YIQ	186.8710, 24.1540, 46.8580

Conversions

Conversions Part 2

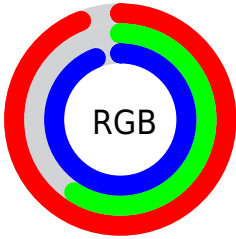
Format	Color
R _Y B	239, 150, 240
Decimal	15701744
CIE Lab	73.84, 46.93, -31.49
CIE LCh	74, 56.515, 326.140
Yxy	46.4547, 0.3162, 0.2360
Android (android.graphics.Color)	4293891824 (0xFFEF96F0)
YUV	186.8710, 26.1926, 45.7171
Hunter-Lab	68.1577, 43.7028, -28.9489

Details

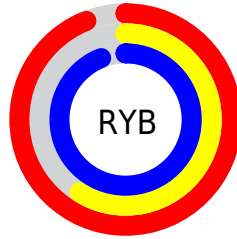
The XYZ color **62.2311, 46.4547, 88.1248** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **49.4292, 71.1027, 39.9755**, and the grayscale version is **47.0104, 49.4586, 53.8604**.

A 20% lighter version of the original color is **81.3613, 72.6226, 104.3371**, and **31.9825, 21.8338, 47.8761** is the 20% darker color. If you saturate the color by 10%, you get **58.6970, 39.5190, 86.9730**, and if you desaturate by 10%, it is **66.5526, 54.9630, 89.5400**.

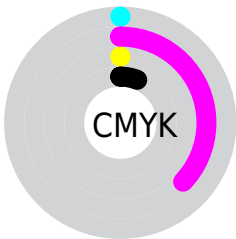
Distribution



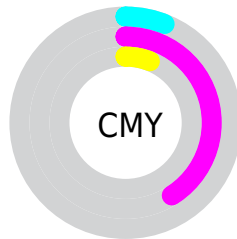
- Red (94%)
- Green (59%)
- Blue (94%)



- Red (94%)
- Yellow (59%)
- Blue (94%)



- Cyan (0%)
- Magenta (37%)
- Yellow (0%)
- Black (6%)





- Cyan (6%)
- Magenta (41%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.2311, 46.4547, 88.1248 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 62.2311, 46.4547, 88.1248 by changing the saturation by 10% instead.


 62.2311, 46.4547,
88.1248


 62.2311, 46.4547,
88.1248


422.4777,
372.6337, 542.3237

 45.4758, 32.6048,
65.8615


 107.1475, 84.8991,
146.6436

 32.0352, 21.8239,
47.7042

 136.0393,
110.2623, 183.7361

 21.5441, 13.7275,
33.2344


169.7073,
140.2322, 226.6088

 13.6370, 7.9314,
22.0335

208.5169,
175.1930, 275.6802

 7.9486, 4.0511,
13.6829

252.8333,
215.5291, 331.3689

 4.1136, 1.7022,
7.7643

303.0220,

 1.7666, 0.4251,

261.6250, 394.0933

3.8589

359.4484,
313.8651, 464.2721

■ 0.4974, 0.0000,
1.5482

■ 0.0000, 0.0000,
0.2535

■ 62.2311, 46.4547,
88.1248

■ 62.2311, 46.4547,
88.1248

■ 58.6970, 39.5190,
86.9730

■ 66.5526, 54.9630,
89.5400

■ 55.8976, 34.0534,
86.0656

■ 71.7010, 65.1260,
91.2303

■ 53.7808, 29.9530,
85.3857

■ 77.7188, 77.0274,
93.2103

■ 52.2859, 27.0961,
84.9130

■ 84.6440, 90.7435,
95.4928

■ 51.3415, 25.3400,
84.6239

■ 87.5370, 96.3951,
96.4312

■ 50.8530, 24.4955,
84.4866

■ 87.6277, 96.4419,
96.4354

■ 50.7655, 24.3537,
84.4638

■ 87.7186, 96.4887,
96.4397

■ 87.8096, 96.5356,
96.4439

■ 87.9007, 96.5826,
96.4482

Harmonies

Analogous

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



53.2301, 46.4547, 118.3407



62.2311, 46.4547, 88.1248



66.3867, 46.4547, 54.4008

Triad

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



62.2311, 46.4547, 88.1248



45.4681, 46.4547, 13.0106



28.9736, 46.4547, 79.1040

Complementary

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



62.2311, 46.4547, 88.1248



49.4292, 71.1027, 39.9755

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.



27.5380, 46.4547, 46.9448



62.2311, 46.4547, 88.1248



36.1728, 46.4547, 15.3810

Square

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



62.2311, 46.4547, 88.1248



55.8245, 46.4547, 17.1288



29.9675, 46.4547, 25.5796



34.2348, 46.4547, 111.8927

Rectangle

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



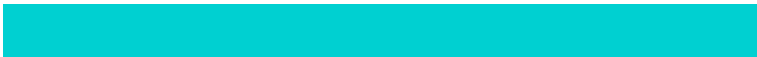
62.2311, 46.4547, 88.1248



65.4487, 46.4547, 36.6989



29.9675, 46.4547, 25.5796



28.0655, 46.4547, 67.5855

Sweetspot

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



62.2326, 46.4568, 88.1258



86.6309, 83.3318, 106.1264



39.4551, 35.0721, 87.1288



18.3392, 17.4342, 22.6485



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.



62.2326, 46.4568, 88.1258



68.2374, 47.0684, 100.0964



56.8639, 44.3483, 58.0883



16.4359, 16.0220, 19.9479



27.7977, 13.3357, 46.2368



2.3181, 1.1123, 3.8467

Inverse Universe

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



52.4290, 42.5744, 34.7346



55.5015, 42.0280, 30.5913



53.4209, 72.6780, 61.9596



15.7799, 15.7617, 16.3974



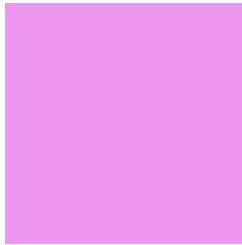
19.6826, 10.1455, 0.9794



1.6399, 0.8450, 0.0946

Previews

White Background



This preview shows how the XYZ color 62.2311, 46.4547, 88.1248 looks on a white background.

Color Contrast Check

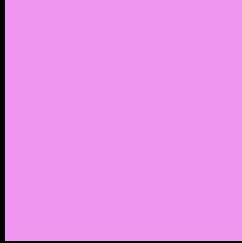
Large Text (above 18pt) WCAG AA × Fail

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 62.2311, 46.4547, 88.1248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

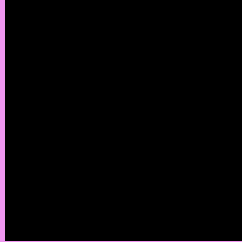
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 62.2311, 46.4547, 88.1248

Background



This preview shows how black text looks on a background with the XYZ color 62.2311, 46.4547, 88.1248.

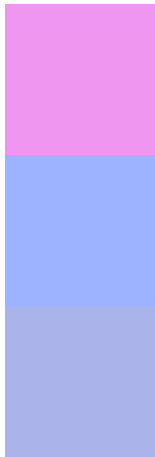


This preview shows how white text looks on a background with the XYZ color 62.2311, 46.4547,

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

62.2311, 46.4547, 88.1248

Protanopia

48.2707, 46.7293, 101.0833

Deuteranopia

47.9101, 46.8963, 85.1240



Tritanopia

53.8887, 46.3179, 47.1743

Trichromacy



Original Color

62.2311, 46.4547, 88.1248



Protanomaly

51.7515, 45.4722, 96.4919



Deuteranomaly

52.0536, 45.8555, 86.2282



Tritanomaly

56.4673, 46.0697, 59.9490

Monochromacy



Original Color

62.2311, 46.4547, 88.1248



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

51.7302, 47.8501, 64.9020

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.2311, 46.4547, 88.1248 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(239, 150, 240)` looks like.

```
.text, #text, p{  
    color:rgb(239, 150, 240)  
}
```

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(239, 150, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 150, 240) }
```

Border

The CSS property to change the border of an element to XYZ 62.2311, 46.4547, 88.1248 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(239, 150, 240) }
```


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

```
.border{ border-color:rgb(239, 150, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 150, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 150, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 150, 240);  
box-shadow:4px 4px 4px 4px rgb(239, 150,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 62.2311, 46.4547, 88.1248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 150, 240) }
```

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

```
.background{ background-color: rgb(239,  
150, 240) }
```

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