

Converting Colors

XYZ(68.1884, 48.3257, 93.6297)

Have a look what the booklet for
XYZ(68.1884, 48.3257, 93.6297)
contains.

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Color

**XYZ(68.1539, 48.2262,
93.7122)**

Conversions

Conversions Part 1

Format	Color
Hex	FF91F7
RGB	255, 145, 247
RGB Percent	100%, 57%, 97%
CMY	0.0000, 0.4313, 0.0314
CMYK	0.00, 0.43, 0.03, 0.00
HSL	304°, 100%, 78%
HSV	304°, 43%, 100%
XYZ	68.1539, 48.2262, 93.7122
YIQ	189.5180, 32.8180, 55.0420

Conversions

Conversions Part 2

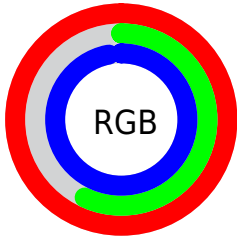
Format	Color
RYB	255, 145, 247
Decimal	16749047
CIELab	74.97, 55.43, -33.40
CIElCh	75, 64.715, 328.925
Yxy	48.2262, 0.3244, 0.2295
Android (android.graphics.Color)	4294939127 (0xFFFF91F7)
YUV	189.5180, 28.3386, 57.4277
Hunter-Lab	69.4451, 53.6523, -31.3969

Details

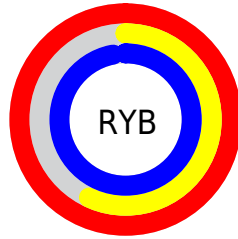
The XYZ color **68.1539, 48.2262, 93.7122** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **53.1883, 79.8404, 42.7466**, and the grayscale version is **48.4971, 51.0228, 55.5638**.

A 20% lighter version of the original color is **80.1766, 70.2533, 103.9422**, and **35.7154, 22.7658, 51.2270** is the 20% darker color. If you saturate the color by 10%, you get **64.4010, 41.1759, 91.0569**, and if you desaturate by 10%, it is **72.7861, 57.0301, 96.6759**.

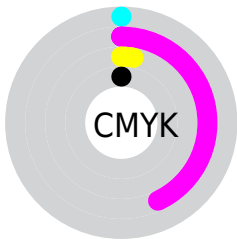
Distribution



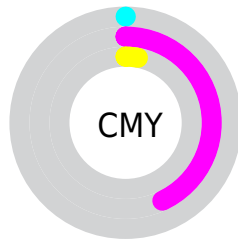
- Red (100%)
- Green (57%)
- Blue (97%)



- Red (100%)
- Yellow (57%)
- Blue (97%)



- Cyan (0%)
- Magenta (43%)
- Yellow (3%)
- Black (0%)





- Cyan (0%)
- Magenta (43%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.1539, 48.2262, 93.7122 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 68.1539, 48.2262, 93.7122 by changing the saturation by 10% instead.


 68.1539, 48.2262,
93.7122


 68.1539, 48.2262,
93.7122


443.4093,
379.6880, 560.9126

 50.2971, 34.0061,
70.4726


 115.6130, 87.5411,
154.4645

 35.8683, 22.8982,
51.4328

 145.9460,
113.4046, 192.8143

 24.5021, 14.5184,
36.1740


181.1684,
143.9181, 237.0380

 15.8333, 8.4821,
24.2779

221.6456,
179.4659, 287.5540

 9.4963, 4.4049,
15.3258

267.7429,
220.4324, 344.7809

 5.1260, 1.9026,
8.8992

319.8257,

 2.3569, 0.5499,

267.2020, 409.1373

4.5796

378.2594,
320.1590, 481.0417

■ 0.8235, 0.0000,
1.9484

■ 0.0000, 0.0000,
0.5233

■ 68.1539, 48.2262,
93.7122

■ 68.1539, 48.2262,
93.7122

■ 64.4010, 41.1759,
91.0569

■ 72.7861, 57.0301,
96.6759

■ 61.4650, 35.7552,
88.6873

■ 78.3481, 67.6893,
99.9630

■ 59.2805, 31.8328,
86.5821

■ 84.8905, 80.3046,
103.5911

■ 57.7704, 29.2547,
84.7156

■ 92.4591, 94.9678,
107.5753

■ 56.8411, 27.8339,
83.0567

95.0500, 100.0000,
108.9000

■ 56.4466, 27.3426,
82.0069

Harmonies

Analogous

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



57.7145, 48.2262, 132.4197



68.1539, 48.2262, 93.7122



72.4800, 48.2262, 53.7386

Triad

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



68.1539, 48.2262, 93.7122



46.2645, 48.2262, 10.6457



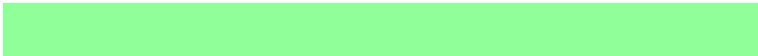
28.7044, 48.2262, 90.6399

Complementary

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



68.1539, 48.2262, 93.7122



53.1883, 79.8404, 42.7466

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.



26.6842, 48.2262, 51.3005



68.1539, 48.2262, 93.7122



35.7132, 48.2262, 13.6917

Square

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



68.1539, 48.2262, 93.7122



58.5784, 48.2262, 14.1953



29.0170, 48.2262, 25.5984



35.0926, 48.2262, 130.1740

Rectangle

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



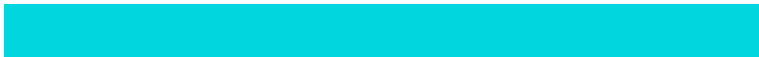
68.1539, 48.2262, 93.7122



70.8328, 48.2262, 34.1239



29.0170, 48.2262, 25.5984



27.5459, 48.2262, 76.5390

Sweetspot

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



68.1550, 48.2281, 93.7132



84.9857, 80.4886, 103.6424



41.1888, 34.1808, 99.0344



17.8621, 16.5936, 22.0057



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.



68.1550, 48.2281, 93.7132



64.7847, 41.8919, 91.3435



60.9552, 45.3482, 55.7997



18.7323, 18.2762, 22.4734



29.5187, 14.2968, 42.9775



2.8905, 1.3986, 4.2708

Inverse Universe

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



68.1550, 48.2281, 93.7132



64.7847, 41.8919, 91.3435



58.7417, 82.0617, 71.9905



18.7323, 18.2762, 22.4734



29.5187, 14.2968, 42.9775



2.8905, 1.3986, 4.2708

Previews

White Background



This preview shows how the XYZ color 68.1539, 48.2262, 93.7122 looks on a white background.

Color Contrast Check

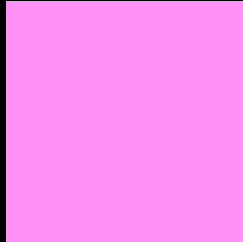
Large Text (above 18pt) WCAG AA × Fail

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 68.1539, 48.2262, 93.7122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

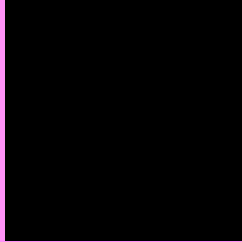
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.1539, 48.2262, 93.7122

Background



This preview shows how black text looks on a background with the XYZ color 68.1539, 48.2262, 93.7122.



This preview shows how white text looks on a background with the XYZ color 68.1539, 48.2262,

93.7122.

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

68.1539, 48.2262, 93.7122

Protanopia

49.8838, 48.7684, 101.3918

Deuteranopia

49.6897, 48.6314, 89.2059



Tritanopia

58.2937, 48.0997, 45.7469

Trichromacy



Original Color

68.1539, 48.2262, 93.7122



Protanomaly

54.5236, 47.1400, 98.3207



Deuteranomaly

54.9942, 47.5435, 91.0723



Tritanomaly

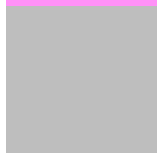
61.2136, 47.7526, 60.6344

Monochromacy



Original Color

68.1539, 48.2262, 93.7122



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

54.6255, 49.2714, 68.2593

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.1539, 48.2262, 93.7122 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(255, 145, 247)` looks like.

```
.text, #text, p{  
    color:rgb(255, 145, 247)  
}
```

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(255, 145, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 145, 247) }
```

Border

The CSS property to change the border of an element to XYZ 68.1539, 48.2262, 93.7122 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(255, 145, 247) }
```


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

```
.border{ border-color:rgb(255, 145, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 145, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 145, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 145, 247);  
box-shadow:4px 4px 4px 4px rgb(255, 145,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1539, 48.2262, 93.7122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 145, 247) }
```

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

```
.background{ background-color: rgb(255,  
145, 247) }
```

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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