

Converting Colors

XYZ(90.7960, 59.3552,
111.4076)

Have a look what the booklet for
XYZ(90.7960, 59.3552, 111.4076)
contains.

XYZ(69.2633, 48.4265, 100.3044)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(69.2633, 48.4265,
100.3044)**

Conversions

Conversions Part 1

Format	Color
Hex	FF90FF
RGB	255, 144, 255
RGB Percent	100%, 56%, 100%
CMY	0.0000, 0.4353, 0.0000
CMYK	0.00, 0.44, 0.00, 0.00
HSL	300°, 100%, 78%
HSV	300°, 44%, 100%
XYZ	69.2633, 48.4265, 100.3044
YIQ	189.8430, 30.5250, 58.0530

Conversions

Conversions Part 2

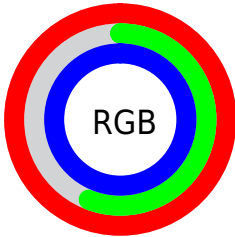
Format	Color
R _Y B	255, 144, 255
Decimal	16748799
CIE Lab	75.09, 57.30, -37.55
CIE LCh	75, 68.506, 326.765
Yxy	48.4265, 0.3177, 0.2221
Android (android.graphics.Color)	4294938879 (0xFFFF90FF)
YUV	189.8430, 32.1224, 57.1427
Hunter-Lab	69.5892, 55.8832, -36.7470

Details

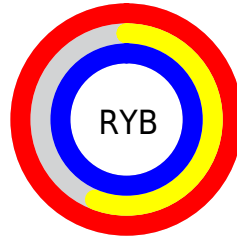
The XYZ color **69.2633, 48.4265, 100.3044** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **52.2971, 79.4636, 38.9695**, and the grayscale version is **48.6632, 51.1975, 55.7541**.

A 20% lighter version of the original color is **79.9443, 69.7886, 103.8648**, and **36.5304, 22.9577, 55.9320** is the 20% darker color. If you saturate the color by 10%, you get **65.8282, 41.5563, 99.1594**, and if you desaturate by 10%, it is **73.5722, 57.0445, 101.7407**.

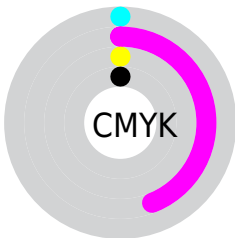
Distribution



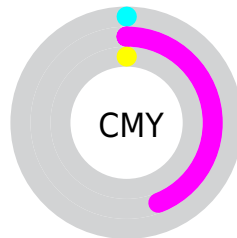
- Red (100%)
- Green (56%)
- Blue (100%)



- Red (100%)
- Yellow (56%)
- Blue (100%)



- Cyan (0%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)



- Cyan (0%)
- Magenta (44%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.2633, 48.4265, 100.3044 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 69.2633, 48.4265, 100.3044 by changing the saturation by 10% instead.


 69.2633, 48.4265,
100.3044


 69.2633, 48.4265,
100.3044


447.2659,
380.4802, 582.4232

 51.2036, 34.1648,
75.9365

 117.1896, 87.8391,
163.6310

 36.5924, 23.0202,
55.8741


 147.7869,
113.7587, 203.4267

 25.0643, 14.6084,
39.6987


183.2940,
144.3331, 249.2021

 16.2539, 8.5450,
26.9917

224.0765,
179.9466, 301.3757

 9.7960, 4.4456,
17.3346

270.4995,
220.9837, 360.3661

 5.3251, 1.9258,
10.3089

322.9286,

 2.4760, 0.5638,

267.8287, 426.5918

5.4959

381.7289,
320.8661, 500.4713

■ 0.8832, 0.0000,
2.4773

■ 0.0000, 0.0000,
0.8281

■ 69.2633, 48.4265,
100.3044

■ 69.2633, 48.4265,
100.3044

■ 65.8282, 41.5563,
99.1594

■ 73.5722, 57.0445,
101.7407

■ 63.2049, 36.3097,
98.2850

■ 78.8064, 67.5128,
103.4855

■ 61.3274, 32.5547,
97.6591

■ 85.0161, 79.9323,
105.5554

■ 60.1182, 30.1363,
97.2561

■ 92.2475, 94.3950,
107.9658

■ 59.4829, 28.8657, 95.0500, 100.0000,
97.0443 108.9000

■ 59.2900, 28.4800,
96.9800

Harmonies

Analogous

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



57.7524, 48.4265, 141.4407



69.2633, 48.4265, 100.3044



74.5151, 48.4265, 56.7179

Triad

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



69.2633, 48.4265, 100.3044



47.4007, 48.4265, 9.4854



27.6941, 48.4265, 90.3040

Complementary

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



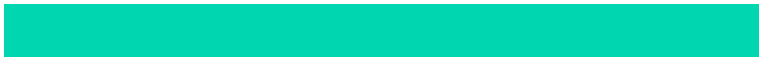
69.2633, 48.4265, 100.3044



52.2971, 79.4636, 38.9695

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.



25.9210, 48.4265, 48.9301



69.2633, 48.4265, 100.3044



36.0085, 48.4265, 12.0006

Square

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



69.2633, 48.4265, 100.3044



60.5349, 48.4265, 13.5111



28.6742, 48.4265, 23.2324



34.0462, 48.4265, 134.0570

Rectangle

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



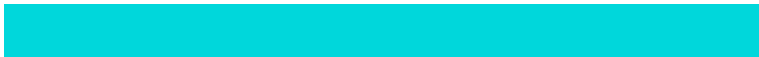
69.2633, 48.4265, 100.3044



73.1643, 48.4265, 35.2246



28.6742, 48.4265, 23.2324



26.5990, 48.4265, 75.2402

Sweetspot

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



69.2641, 48.4283, 100.3047



85.3715, 80.6429, 105.6738



39.5267, 33.0981, 98.9130



17.9586, 16.6321, 22.5138



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.



69.2641, 48.4283, 100.3047



66.2988, 42.4975, 99.3163



61.5814, 45.3552, 59.8482



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340

Inverse Universe

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



69.2641, 48.4283, 100.3047



66.2988, 42.4975, 99.3163



57.6299, 81.5967, 67.0518



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340

Previews

White Background



This preview shows how the XYZ color 69.2633, 48.4265, 100.3044 looks on a white background.

Color Contrast Check

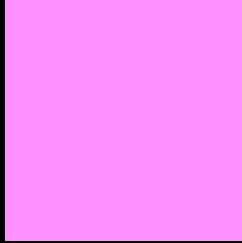
Large Text (above 18pt) WCAG AA × Fail

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 69.2633, 48.4265, 100.3044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

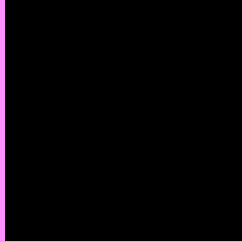
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.2633, 48.4265, 100.3044

Background



This preview shows how black text looks on a background with the XYZ color 69.2633, 48.4265, 100.3044.



This preview shows how white text looks on a background with the XYZ color 69.2633, 48.4265,

100.3044.

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

69.2633, 48.4265, 100.3044

Protanopia

49.8838, 48.7684, 101.3918

Deuteranopia

49.8197, 48.5580, 95.5538



Tritanopia

58.2165, 48.3091, 46.3006

Trichromacy



Original Color

69.2633, 48.4265, 100.3044



Protanomaly

55.0029, 47.3317, 100.8447



Deuteranomaly

55.2346, 47.2497, 97.4757

Tritanomaly

61.5678, 47.8942, 62.4994

Monochromacy



Original Color

69.2633, 48.4265, 100.3044



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

54.8127, 49.0383, 70.1947

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.2633, 48.4265, 100.3044 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, 144, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 144, 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(255, 144, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 144, 255) }
```

Border

The CSS property to change the border of an element to XYZ 69.2633, 48.4265, 100.3044 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, 144, 255) }
```


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

```
.border{ border-color:rgb(255, 144, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 144, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 144, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 144, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 144,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 69.2633, 48.4265, 100.3044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 144, 255) }
```

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

```
.background{ background-color: rgb(255,  
144, 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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