

Converting Colors

XYZ(68.5853, 51.6022, 92.8322)

Have a look what the booklet for
XYZ(68.5853, 51.6022, 92.8322)
contains.

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Color

**XYZ(68.4920, 51.5555,
92.7275)**

Conversions

Conversions Part 1

Format	Color
Hex	FB9EF5
RGB	251, 158, 245
RGB Percent	98%, 62%, 96%
CMY	0.0157, 0.3804, 0.0392
CMYK	0.00, 0.37, 0.02, 0.02
HSL	304°, 92%, 80%
HSV	304°, 37%, 98%
XYZ	68.4920, 51.5555, 92.7275
YIQ	195.7250, 27.5010, 46.7730

Conversions

Conversions Part 2

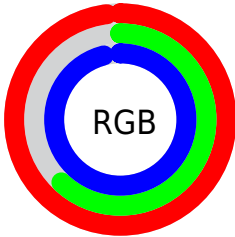
Format	Color
R _Y B	251, 158, 245
Decimal	16490229
CIE Lab	77.01, 47.34, -29.20
CIE LCh	77, 55.627, 328.331
Yxy	51.5555, 0.3219, 0.2423
Android (android.graphics.Color)	4294680309 (0xFFFB9EF5)
YUV	195.7250, 24.2926, 48.4762
Hunter-Lab	71.8022, 44.6172, -26.3074

Details

The XYZ color **68.4920, 51.5555, 92.7275** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **55.3008, 78.9457, 47.4484**, and the grayscale version is **52.1538, 54.8699, 59.7533**.

A 20% lighter version of the original color is **83.3366, 76.5731, 104.9955**, and **36.1279, 24.9122, 51.0485** is the 20% darker color. If you saturate the color by 10%, you get **64.3942, 43.7528, 90.1474**, and if you desaturate by 10%, it is **73.4696, 61.1122, 95.6126**.

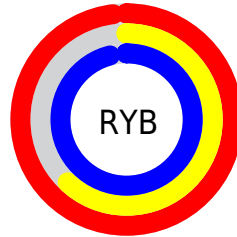
Distribution



Red (98%)

Green (62%)

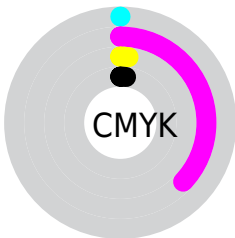
Blue (96%)



Red (98%)

Yellow (62%)

Blue (96%)

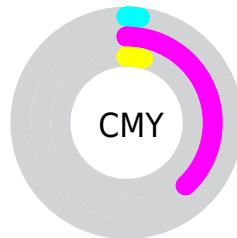


Cyan (0%)

Magenta (37%)

Yellow (2%)

Black (2%)



Cyan (2%)


Magenta (38%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.4920, 51.5555, 92.7275 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 68.4920, 51.5555, 92.7275 by changing the saturation by 10% instead.


 68.4920, 51.5555,
92.7275


 68.4920, 51.5555,
92.7275


444.5867,
392.7182, 557.6613

 50.5732, 36.6509,
69.6586


 116.0938, 92.4754,
153.0897

 36.0887, 24.9373,
50.7732


 146.5075,
119.2594, 191.2202

 24.6732, 16.0304,
35.6527


181.8169,
150.7721, 235.2082

 15.9612, 9.5456,
23.8785

222.3873,
187.3977, 285.4724

 9.5873, 5.0988,
15.0321

268.5842,
229.5208, 342.4312

 5.1864, 2.3053,
8.6951

320.7728,

 2.3929, 0.7765,

277.5256, 406.5033

4.4487

379.3185,
331.7966, 478.1072

■ 0.8416, 0.0000,
1.8746

■ 0.0000, 0.0000,
0.4765

■ 68.4920, 51.5555,
92.7275

■ 68.4920, 51.5555,
92.7275

■ 64.3942, 43.7528,
90.1474

■ 73.4696, 61.1122,
95.6126

■ 61.1175, 37.5901,
87.8512

■ 79.3710, 72.5140,
98.8158

■ 58.6043, 32.9507,
85.8200

■ 86.2433, 85.8542,
102.3533

■ 56.7870, 29.6998,
84.0315

■ 93.0326, 99.0249,
105.8740

■ 55.5863, 27.6787,
82.4590

■ 93.2897, 99.1277,
107.2280

■ 54.9010, 26.6848,
81.0689

■ 93.5490, 99.2315,
108.5936

■ 54.7515, 26.4965,
80.6784

■ 93.5943, 99.2495,
108.8319

Harmonies

Analogous

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



59.3328, 51.5555, 124.8493



68.4920, 51.5555, 92.7275



72.3482, 51.5555, 57.8539

Triad

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



68.4920, 51.5555, 92.7275



49.5985, 51.5555, 15.6507



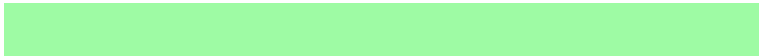
33.1518, 51.5555, 88.6700

Complementary

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



68.4920, 51.5555, 92.7275



55.3008, 78.9457, 47.4484

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.



31.3108, 51.5555, 54.4508



68.4920, 51.5555, 92.7275



39.9458, 51.5555, 18.8187

Square

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



68.4920, 51.5555, 92.7275



60.5094, 51.5555, 19.6518



33.6117, 51.5555, 30.7128



39.0546, 51.5555, 121.9726

Rectangle

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



68.4920, 51.5555, 92.7275



71.0256, 51.5555, 39.6949



33.6117, 51.5555, 30.7128



32.0784, 51.5555, 76.5838

Sweetspot

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



68.4937, 51.5578, 92.7286



86.4553, 83.2748, 104.6042



44.6745, 39.1710, 96.4744



18.2971, 17.4205, 22.2827



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.



68.4937, 51.5578, 92.7286



67.9385, 47.6073, 94.2203



62.4203, 49.1285, 60.7469



17.9418, 17.5041, 21.5495



28.8003, 13.9359, 42.5184



2.6816, 1.2964, 4.0127

Inverse Universe

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



68.4937, 51.5578, 92.7286



67.9385, 47.6073, 94.2203



60.1270, 80.8762, 72.8629



17.9418, 17.5041, 21.5495



28.8003, 13.9359, 42.5184



2.6816, 1.2964, 4.0127

Previews

White Background



This preview shows how the XYZ color 68.4920, 51.5555, 92.7275 looks on a white background.

Color Contrast Check

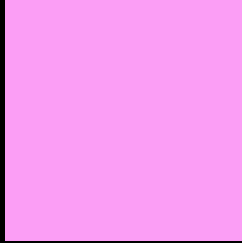
Large Text (above 18pt) WCAG AA × Fail

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 68.4920, 51.5555, 92.7275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

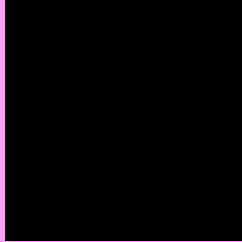
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.4920, 51.5555, 92.7275

Background



This preview shows how black text looks on a background with the XYZ color 68.4920, 51.5555, 92.7275.



This preview shows how white text looks on a background with the XYZ color 68.4920, 51.5555,

92.7275.

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

68.4920, 51.5555, 92.7275

Protanopia

52.8278, 51.8444, 101.8304

Deuteranopia

53.2657, 52.0223, 89.6720



Tritanopia

60.1768, 51.6412, 52.1435

Trichromacy



Original Color

68.4920, 51.5555, 92.7275



Protanomaly

56.9541, 50.6887, 98.0489



Deuteranomaly

57.5648, 50.8714, 90.7896



Tritanomaly

62.7828, 51.3215, 64.9895

Monochromacy



Original Color

68.4920, 51.5555, 92.7275



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

57.1844, 52.9099, 70.8170

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.4920, 51.5555, 92.7275 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(251, 158, 245)` looks like.

```
.text, #text, p{  
    color:rgb(251, 158, 245)  
}
```

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(251, 158, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 158, 245) }
```

Border

The CSS property to change the border of an element to XYZ 68.4920, 51.5555, 92.7275 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(251, 158, 245) }
```


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

```
.border{ border-color:rgb(251, 158, 245) }
```

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

Here you see how a box with a 4 pixel rgb(251, 158, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 158, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 158, 245);  
box-shadow:4px 4px 4px 4px rgb(251, 158,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4920, 51.5555, 92.7275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 158, 245) }
```

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

```
.background{ background-color: rgb(251,  
158, 245) }
```

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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