

# Converting Colors

XYZ(34.2955, 23.2750, 89.0712)

Have a look what the booklet for  
XYZ(34.2955, 23.2750, 89.0712)  
contains.

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# Color

**XYZ(34.2955, 23.2750,  
89.0712)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9769F5
RGB	151, 105, 245
RGB Percent	59%, 41%, 96%
CMY	0.4078, 0.5882, 0.0392
CMYK	0.38, 0.57, 0.00, 0.04
HSL	260°, 88%, 69%
HSV	260°, 57%, 96%
XYZ	34.2955, 23.2750, 89.0712
YIQ	134.7140, -17.5240, 53.2920

# Conversions

## Conversions Part 2

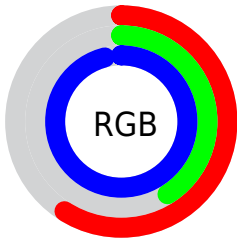
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	151, 105, 245
Decimal	9923061
CIE Lab	55.35, 48.40, -64.02
CIE LCh	55, 80.259, 307.087
Yxy	23.2750, 0.2339, 0.1587
Android (android.graphics.Color)	4288113141 (0xFF9769F5)
YUV	134.7140, 54.3710, 14.2828
Hunter-Lab	48.2442, 42.4636, -75.6937

# Details

The XYZ color **34.2955, 23.2750, 89.0712** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **58.7552, 78.4670, 25.4140**, and the grayscale version is **22.7341, 23.9180, 26.0467**.

A 20% lighter version of the original color is **56.8552, 45.3754, 100.3695**, and **14.9575, 8.6904, 48.4660** is the 20% darker color. If you saturate the color by 10%, you get **29.3072, 17.5177, 88.2233**, and if you desaturate by 10%, it is **40.4304, 30.6906, 90.1797**.

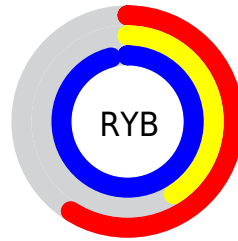
# Distribution



Red (59%)

Green (41%)

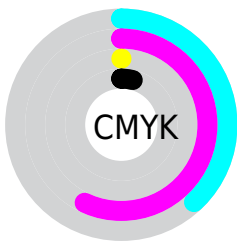
Blue (96%)



Red (59%)

Yellow (41%)

Blue (96%)

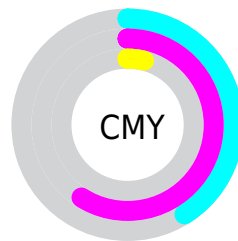


Cyan (38%)

Magenta (57%)

Yellow (0%)

Black (4%)



Cyan (41%)

Magenta (59%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.2955, 23.2750, 89.0712 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 34.2955, 23.2750, 89.0712 by changing the saturation by 10% instead.



34.2955, 23.2750,  
89.0712

34.2955, 23.2750,  
89.0712

313.0104,  
269.1343, 545.4968

23.2847, 14.7967,  
66.6412

65.7342, 48.8445,  
147.9718

14.9257, 8.6768,  
48.3333

86.8927, 66.7045,  
185.2795

8.8532, 4.5310,  
33.7291

112.1646, 88.4604,  
228.3834

4.7019, 1.9748,  
22.4099

141.9150,  
114.4968, 277.7023

2.1064, 0.5928,  
13.9572

176.5095,  
145.1980, 333.6545

0.6927, 0.0000,  
7.9525

216.3133,

0.0000, 0.0000,

180.9484, 396.6586

3.9772

261.6919,  
222.1324, 467.1332

■ 0.0000, 0.0000,  
1.6129

■ 0.0000, 0.0000,  
0.3000

■ 34.2955, 23.2750,  
89.0712

■ 34.2955, 23.2750,  
89.0712

■ 29.3072, 17.5177,  
88.2233

■ 40.4304, 30.6906,  
90.1797

■ 25.3813, 13.2800,  
87.6123

■ 47.7814, 39.8828,  
91.5665

■ 22.4252, 10.4037,  
87.2129

■ 56.4157, 50.9615,  
93.2498

■ 20.3226, 8.6856,  
86.9921

■ 66.3945, 64.0268,  
95.2458

■ 19.8326, 8.3202,  
86.9474

■ 77.7747, 79.1718,  
97.5692

■ 90.6100, 96.4836,  
100.2343

■ 93.4815, 99.3726,  
100.6406

# Harmonies

## Analogous

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



24.3286, 23.2750, 113.3040



34.2955, 23.2750, 89.0712



42.2158, 23.2750, 49.9726

# Triad

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



34.2955, 23.2750, 89.0712



29.5730, 23.2750, 1.6109



9.0023, 23.2750, 31.9680

# Complementary

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



34.2955, 23.2750, 89.0712



58.7552, 78.4670, 25.4140

# 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.



9.6972, 23.2750, 10.5217



34.2955, 23.2750, 89.0712



20.0534, 23.2750, 1.1110

# Square

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



34.2955, 23.2750, 89.0712



39.0129, 23.2750, 5.6564



13.2358, 23.2750, 2.7954



10.9832, 23.2750, 68.5622



# Rectangle

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



34.2955, 23.2750, 89.0712



44.3176, 23.2750, 27.9472



13.2358, 23.2750, 2.7954



8.9421, 23.2750, 22.9049

# Sweetspot

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



34.2965, 23.2758, 89.0718



72.8370, 70.2839, 104.3350



43.1167, 51.2145, 93.9996



15.0925, 14.3875, 22.2316



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.



34.2965, 23.2758, 89.0718



31.1441, 18.1262, 96.4650



50.8473, 31.8080, 89.8463



16.0940, 16.1911, 20.8195



10.8137, 4.5490, 46.8461



1.0543, 0.4533, 4.1222



# Inverse Universe

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



53.0167, 33.6395, 57.7305



54.1388, 30.8989, 56.0447



44.5112, 71.1240, 24.7474



16.9685, 16.6703, 19.5809



23.9867, 11.9381, 20.4363

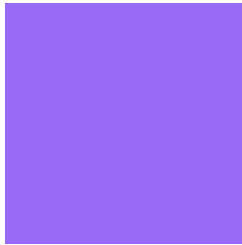


2.1555, 1.0681, 2.0450



# Previews

## White Background



This preview shows how the XYZ color 34.2955, 23.2750, 89.0712 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

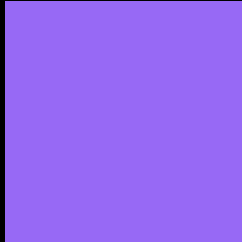
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.2955, 23.2750, 89.0712 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

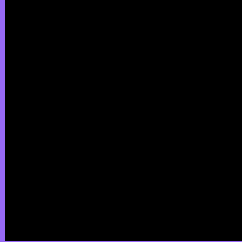
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 34.2955, 23.2750, 89.0712**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.2955, 23.2750, 89.0712.



This preview shows how white text looks on a background with the XYZ color 34.2955, 23.2750,



# 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

34.2955, 23.2750, 89.0712

### Protanopia

27.5141, 23.5579, 97.7047

### Deuteranopia

24.3278, 23.6202, 84.1659



## Tritanopia

22.1113, 23.0749, 29.2751

# Trichromacy



## Original Color

34.2955, 23.2750, 89.0712



## Protanomaly

28.5427, 22.6733, 94.1388



## Deuteranomaly

25.3316, 21.9244, 86.1158



## Tritanomaly

25.3511, 22.4486, 46.1769

# Monochromacy



## Original Color

34.2955, 23.2750, 89.0712



## Achromatopsia

23.0288, 24.2281, 26.3844



## Achromatomaly

25.9300, 23.1732, 43.6636

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.2955, 23.2750, 89.0712 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(151, 105, 245)` looks like.

```
.text, #text, p{  
    color:rgb(151, 105, 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(151, 105, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 105, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 34.2955, 23.2750, 89.0712 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(151, 105, 245) }
```



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

```
.border{ border-color:rgb(151, 105, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 105, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 105, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 105, 245);  
box-shadow:4px 4px 4px 4px rgb(151, 105,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.2955, 23.2750, 89.0712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 105, 245) }
```

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

```
.background{ background-color: rgb(151,  
105, 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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