

Converting Colors

XYZ(34.9534, 30.6334, 73.1784)

Have a look what the booklet for
XYZ(34.9534, 30.6334, 73.1784)
contains.

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Color

**XYZ(34.9224, 30.6196,
73.1768)**

Conversions

Conversions Part 1

Format	Color
Hex	948DDE
RGB	148, 141, 222
RGB Percent	58%, 55%, 87%
CMY	0.4196, 0.4470, 0.1294
CMYK	0.33, 0.36, 0.00, 0.13
HSL	245°, 55%, 71%
HSV	245°, 36%, 87%
XYZ	34.9224, 30.6196, 73.1768
YIQ	152.3270, -21.8290, 26.6750

Conversions

Conversions Part 2

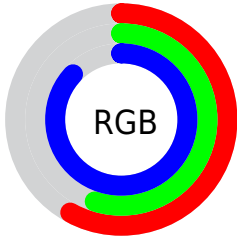
Format	Color
R_{YB}	148, 141, 222
Decimal	9735646
CIE _{Lab}	62.19, 21.11, -40.38
CIE _{LCh}	62, 45.570, 297.599
Yxy	30.6196, 0.2517, 0.2207
Android (android.graphics.Color)	4287925726 (0xFF948DDE)
YUV	152.3270, 34.3488, -3.7948
Hunter-Lab	55.3350, 15.8167, -39.6726

Details

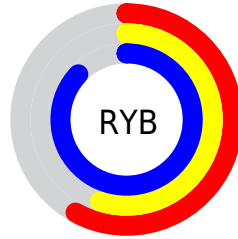
The XYZ color **34.9224, 30.6196, 73.1768** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **58.9540, 68.6133, 35.3369**, and the grayscale version is **29.8501, 31.4046, 34.1997**.

A 20% lighter version of the original color is **62.4669, 59.0876, 102.7204**, and **15.2401, 12.6150, 37.7081** is the 20% darker color. If you saturate the color by 10%, you get **28.6186, 22.9884, 72.0366**, and if you desaturate by 10%, it is **42.5273, 39.8966, 74.5672**.

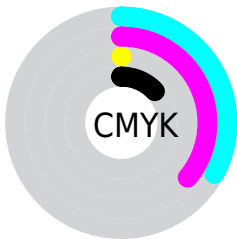
Distribution



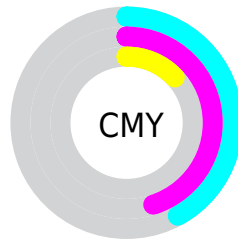
- Red (58%)
- Green (55%)
- Blue (87%)



- Red (58%)
- Yellow (55%)
- Blue (87%)



- Cyan (33%)
- Magenta (36%)
- Yellow (0%)
- Black (13%)



- Cyan (42%)
- Magenta (45%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.9224, 30.6196, 73.1768 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 34.9224, 30.6196, 73.1768 by changing the saturation by 10% instead.

■ 34.9224, 30.6196,
73.1768

■ 34.9224, 30.6196,
73.1768

315.7397,
304.7820, 490.7145

■ 23.7693, 20.3094,
53.6278

■ 66.7004, 60.6407,
125.4514

■ 15.2864, 12.6201,
37.9131

■ 88.0560, 81.1203,
159.0141

■ 9.1083, 7.1675,
25.6139

■ 113.5431,
105.7585, 198.0852

■ 4.8695, 3.5671,
16.3119

143.5272,
134.9397, 243.0832

■ 2.2049, 1.4345,
9.5884

178.3735,
169.0482, 294.4265

■ 0.7453, 0.2419,
5.0249

218.4475,

■ 0.0000, 0.0000,

208.4685, 352.5339

2.2029

264.1144,
253.5850, 417.8237

■ 0.0000, 0.0000,
0.6760

■ 0.0000, 0.0000,
0.0000

■ 34.9224, 30.6196,
73.1768

■ 34.9224, 30.6196,
73.1768

■ 28.6186, 22.9884,
72.0366

■ 42.5273, 39.8966,
74.5672

■ 23.5394, 16.9033,
71.1298

■ 51.4971, 50.9042,
76.2191

■ 19.6060, 12.2593,
70.4407

■ 61.8955, 63.7255,
78.1458

■ 16.7283, 8.9370,
69.9511

■ 73.7813, 78.4374,
80.3590

■ 14.8030, 6.7974,
69.6396

■ 87.2098, 95.1121,
82.8698

■ 13.7037, 5.6671,
69.4794

■ 90.1849, 98.0540,
83.2808

■ 13.4571, 5.4143,
69.4436

Harmonies

Analogous

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



28.6113, 30.6196, 79.8160



34.9224, 30.6196, 73.1768



40.2525, 30.6196, 54.9369

Triad

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



34.9224, 30.6196, 73.1768



35.8985, 30.6196, 12.1647



18.8292, 30.6196, 31.9433

Complementary

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



34.9224, 30.6196, 73.1768



58.9540, 68.6133, 35.3369

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.



20.2297, 30.6196, 18.3058



34.9224, 30.6196, 73.1768



29.6003, 30.6196, 9.6831

Square

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



34.9224, 30.6196, 73.1768



40.8694, 30.6196, 20.0003



23.9689, 30.6196, 11.4558



19.8441, 30.6196, 51.5854

Rectangle

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



34.9224, 30.6196, 73.1768



42.2234, 30.6196, 41.1402



23.9689, 30.6196, 11.4558



19.0282, 30.6196, 26.5930

Sweetspot

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



34.9235, 30.6208, 73.1775



77.9380, 78.8505, 105.7196



48.5343, 59.6657, 78.0664



16.2674, 16.3661, 22.5515



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.



34.9235, 30.6208, 73.1775



40.8845, 33.5283, 98.9245



43.5113, 35.0479, 73.5794



13.0613, 13.2996, 17.2664



8.0319, 3.2359, 41.2496



0.5953, 0.2442, 2.8610

Inverse Universe

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



51.9156, 39.4867, 69.1759



67.5603, 47.4560, 92.2284



48.5530, 63.2514, 34.8502



14.2413, 13.9141, 17.0406



24.3037, 11.7885, 34.5944



1.6998, 0.8232, 2.4782

Previews

White Background



This preview shows how the XYZ color 34.9224, 30.6196, 73.1768 looks on a white background.

Color Contrast Check

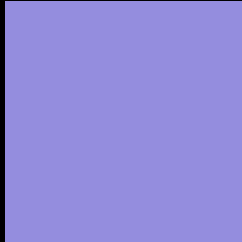
Large Text (above 18pt) WCAG AA × Fail

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 34.9224, 30.6196, 73.1768 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 34.9224, 30.6196, 73.1768

Background



This preview shows how black text looks on a background with the XYZ color 34.9224, 30.6196, 73.1768.



This preview shows how white text looks on a background with the XYZ color 34.9224, 30.6196,

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

34.9224, 30.6196, 73.1768

Protanopia

32.4811, 30.8634, 76.9183

Deuteranopia

31.5509, 30.7271, 71.9782



Tritanopia

28.3361, 30.7333, 40.0360

Trichromacy



Original Color

34.9224, 30.6196, 73.1768

Protanomaly

33.0761, 30.5123, 75.3803

Deuteranomaly

32.6901, 30.6035, 72.5907

Tritanomaly

30.4256, 30.6155, 50.7602

Monochromacy



Original Color

34.9224, 30.6196, 73.1768

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

31.2882, 30.9334, 45.9167

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9224, 30.6196, 73.1768 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(148, 141, 222)` looks like.

```
.text, #text, p{  
    color:rgb(148, 141, 222)  
}
```

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(148, 141, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 141, 222) }
```

Border

The CSS property to change the border of an element to XYZ 34.9224, 30.6196, 73.1768 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(148, 141, 222) }
```


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

```
.border{ border-color:rgb(148, 141, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 141, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 141, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 141, 222);  
box-shadow:4px 4px 4px 4px rgb(148, 141,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9224, 30.6196, 73.1768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 141, 222) }
```

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

```
.background{ background-color: rgb(148,  
141, 222) }
```

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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