

Converting Colors

XYZ(34.6409, 23.5702, 90.7191)

Have a look what the booklet for
XYZ(34.6409, 23.5702, 90.7191)
contains.

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Color

**XYZ(34.7050, 23.6028,
90.7223)**

Conversions

Conversions Part 1

Format	Color
Hex	976AF7
RGB	151, 106, 247
RGB Percent	59%, 42%, 97%
CMY	0.4078, 0.5843, 0.0314
CMYK	0.39, 0.57, 0.00, 0.03
HSL	259°, 90%, 69%
HSV	259°, 57%, 97%
XYZ	34.7050, 23.6028, 90.7223
YIQ	135.5290, -18.4410, 53.3910

Conversions

Conversions Part 2

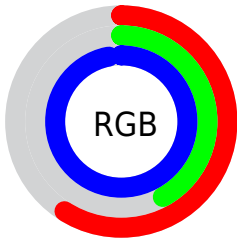
Format	Color
R_{YB}	151, 106, 247
Decimal	9923319
CIE _{Lab}	55.69, 48.37, -64.60
CIE _{LCh}	56, 80.702, 306.827
Yxy	23.6028, 0.2329, 0.1584
Android (android.graphics.Color)	4288113399 (0xFF976AF7)
YUV	135.5290, 54.9552, 13.5681
Hunter-Lab	48.5827, 42.4915, -76.7090

Details

The XYZ color **34.7050, 23.6028, 90.7223** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **60.2193, 80.1189, 25.9268**, and the grayscale version is **23.0334, 24.2330, 26.3897**.

A 20% lighter version of the original color is **57.0265, 45.7179, 100.4266**, and **15.2226, 8.8732, 49.6256** is the 20% darker color. If you saturate the color by 10%, you get **29.6149, 17.7290, 89.8573**, and if you desaturate by 10%, it is **40.9752, 31.1733, 91.8536**.

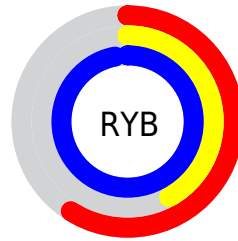
Distribution



Red (59%)

Green (42%)

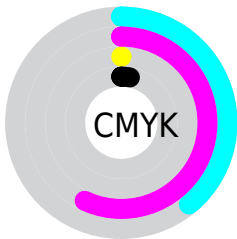
Blue (97%)



Red (59%)

Yellow (42%)

Blue (97%)

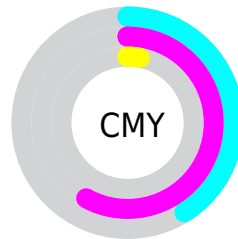


Cyan (39%)

Magenta (57%)

Yellow (0%)

Black (3%)



Cyan (41%)


Magenta (58%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.7050, 23.6028, 90.7223 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 34.7050, 23.6028, 90.7223 by changing the saturation by 10% instead.


 34.7050, 23.6028,
90.7223

 34.7050, 23.6028,
90.7223


314.7952,
270.8062, 551.0083

 23.6012, 15.0392,
68.0028


 66.3656, 49.3812,
150.2856


 15.1612, 8.8469,
49.4333


 87.6530, 67.3649,
187.9664

 9.0196, 4.6415,
34.5953


 113.0657, 89.2574,
231.4714

 4.8112, 2.0385,
23.0702

 142.9689,
115.4432, 281.2192

 2.1705, 0.6297,
14.4396

177.7282,
146.3065, 337.6282

 0.7271, 0.0000,
8.2848

217.7087,

 0.0000, 0.0000,

182.2318, 401.1170

4.1874

263.2759,
223.6036, 472.1042

■ 0.0000, 0.0000,
1.7287

■ 0.0000, 0.0000,
0.3803

■ 34.7050, 23.6028,
90.7223

■ 34.7050, 23.6028,
90.7223

■ 29.6149, 17.7290,
89.8573

■ 40.9752, 31.1733,
91.8536

■ 25.6181, 13.4101,
89.2343

■ 48.4971, 40.5614,
93.2692

■ 22.6195, 10.4842,
88.8276

■ 57.3401, 51.8797,
94.9878

■ 20.4994, 8.7445,
88.6036

■ 67.5670, 65.2307,
97.0258

■ 19.9993, 8.3706,
88.5578

■ 79.2368, 80.7095,
99.3984

■ 92.4047, 98.4051,
102.1200

■ 93.7886, 99.4954,
102.2575

Harmonies

Analogous

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



24.5887, 23.6028, 115.0891



34.7050, 23.6028, 90.7223



42.7832, 23.6028, 51.0342

Triad

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



34.7050, 23.6028, 90.7223



30.0858, 23.6028, 1.6416



9.1157, 23.6028, 32.1599

Complementary

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



34.7050, 23.6028, 90.7223



60.2193, 80.1189, 25.9268

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.



9.8439, 23.6028, 10.5440



34.7050, 23.6028, 90.7223



20.4085, 23.6028, 1.1180

Square

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



34.7050, 23.6028, 90.7223



39.6498, 23.6028, 5.7941



13.4612, 23.6028, 2.7955



11.1004, 23.6028, 69.2229

Rectangle

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



34.7050, 23.6028, 90.7223



44.9585, 23.6028, 28.5877



13.4612, 23.6028, 2.7955



9.0623, 23.6028, 23.0126

Sweetspot

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



34.7061, 23.6036, 90.7229



72.7091, 70.2179, 104.3290



43.9357, 52.1857, 95.7533



15.0625, 14.3720, 22.2301



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.



34.7061, 23.6036, 90.7229



30.8746, 17.9873, 96.4524



51.8076, 32.4198, 91.5232



16.0790, 16.1834, 20.8188



10.7071, 4.4940, 46.8411



1.0435, 0.4478, 4.1217

Inverse Universe

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



54.1727, 34.3470, 59.6507



54.3301, 30.9754, 57.0525



45.3551, 72.4561, 25.2312



16.9754, 16.6730, 19.6172



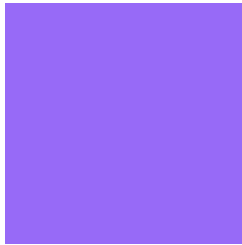
24.0998, 11.9834, 21.0318



2.1648, 1.0719, 2.0941

Previews

White Background



This preview shows how the XYZ color 34.7050, 23.6028, 90.7223 looks on a white background.

Color Contrast Check

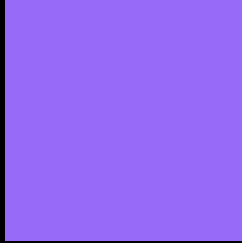
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.7050, 23.6028, 90.7223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

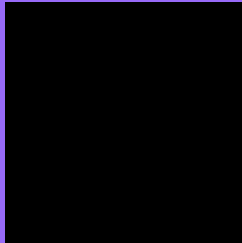
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.7050, 23.6028, 90.7223

Background



This preview shows how black text looks on a background with the XYZ color 34.7050, 23.6028, 90.7223.



This preview shows how white text looks on a background with the XYZ color 34.7050, 23.6028,

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

34.7050, 23.6028, 90.7223

Protanopia

27.8247, 23.9126, 97.7568

Deuteranopia

24.6575, 23.9641, 85.7640



Tritanopia

22.3237, 23.3779, 29.7214

Trichromacy



Original Color

34.7050, 23.6028, 90.7223

Protanomaly

29.0242, 23.0827, 95.0211

Deuteranomaly

25.4357, 22.1304, 87.7250

Tritanomaly

25.5768, 22.7364, 46.7566

Monochromacy



Original Color

34.7050, 23.6028, 90.7223

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

26.1546, 23.4645, 44.2249

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7050, 23.6028, 90.7223 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, 106, 247)` looks like.

```
.text, #text, p{  
    color:rgb(151, 106, 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(151, 106, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 106, 247) }
```

Border

The CSS property to change the border of an element to XYZ 34.7050, 23.6028, 90.7223 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, 106, 247) }
```


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

```
.border{ border-color:rgb(151, 106, 247) }
```

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

Here you see how a box with a 4 pixel rgb(151, 106, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 106, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 106, 247);  
box-shadow:4px 4px 4px 4px rgb(151, 106,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7050, 23.6028, 90.7223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 106, 247) }
```

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

```
.background{ background-color: rgb(151,  
106, 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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