

Converting Colors

XYZ(34.6760, 23.1000, 72.4382)

Have a look what the booklet for
XYZ(34.6760, 23.1000, 72.4382)
contains.

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Color

**XYZ(34.6710, 23.1000,
72.4434)**

Conversions

Conversions Part 1

Format	Color
Hex	AB64DF
RGB	171, 100, 223
RGB Percent	67%, 39%, 87%
CMY	0.3294, 0.6078, 0.1255
CMYK	0.23, 0.55, 0.00, 0.13
HSL	275°, 66%, 63%
HSV	275°, 55%, 87%
XYZ	34.6710, 23.1000, 72.4434
YIQ	135.2510, 2.8330, 53.3050

Conversions

Conversions Part 2

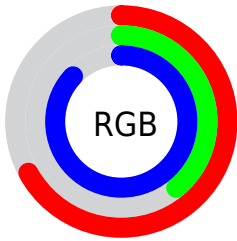
Format	Color
R _Y B	171, 100, 223
Decimal	11232479
CIE Lab	55.18, 50.47, -51.88
CIE LCh	55, 72.379, 314.207
Yxy	23.1000, 0.2663, 0.1774
Android (android.graphics.Color)	4289422559 (0xFFAB64DF)
YUV	135.2510, 43.2603, 31.3519
Hunter-Lab	48.0625, 44.6559, -55.7227

Details

The XYZ color **34.6710, 23.1000, 72.4434** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **41.6374, 60.3714, 21.5157**, and the grayscale version is **22.9668, 24.1629, 26.3134**.

A 20% lighter version of the original color is **61.7543, 46.6605, 100.3593**, and **15.1022, 8.5488, 37.4133** is the 20% darker color. If you saturate the color by 10%, you get **30.8368, 18.3714, 71.7332**, and if you desaturate by 10%, it is **39.2388, 29.0764, 73.3566**.

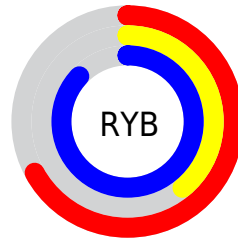
Distribution



Red (67%)

Green (39%)

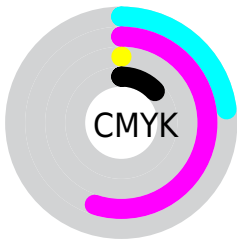
Blue (87%)



Red (67%)

Yellow (39%)

Blue (87%)

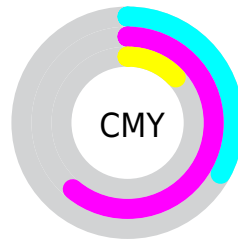


Cyan (23%)

Magenta (55%)

Yellow (0%)

Black (13%)



Cyan (33%)

Magenta (61%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.6710, 23.1000, 72.4434 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 34.6710, 23.1000, 72.4434 by changing the saturation by 10% instead.

34.6710, 23.1000,
72.4434

34.6710, 23.1000,
72.4434

314.6473,
268.2382, 488.1024

23.5749, 14.6674,
53.0319

66.3132, 48.5575,
124.4003

15.1416, 8.5863,
37.4403

87.5899, 66.3511,
157.7828

9.0058, 4.4723,
25.2502

112.9909, 88.0339,
196.6594

4.8021, 1.9411,
16.0428

142.8816,
113.9901, 241.4486

2.1652, 0.5729,
9.3998

177.6271,
144.6043, 292.5689

0.7243, 0.0000,
4.9025

217.5931,

0.0000, 0.0000,

180.2608, 350.4390

2.1324

263.1446,
221.3439, 415.4773

■ 0.0000, 0.0000,
0.6350

■ 0.0000, 0.0000,
0.0000

■ 34.6710, 23.1000,
72.4434

■ 34.6710, 23.1000,
72.4434

■ 30.8368, 18.3714,
71.7332

■ 39.2388, 29.0764,
73.3566

■ 27.6812, 14.7882,
71.2079

■ 44.5839, 36.3863,
74.4859

■ 25.1453, 12.2358,
70.8489

■ 50.7493, 45.1109,
75.8449

■ 23.1558, 10.5729,
70.6328

■ 57.7740, 55.3240,
77.4460

■ 22.3309, 9.9734,
70.5605

■ 65.6943, 67.0939,
79.3004

■ 74.5442, 80.4850,
81.4187

■ 84.0028, 94.8514,
83.6932

■ 87.2339, 96.5171,
83.8444

■ 90.3194, 98.1077,
83.9888

Harmonies

Analogous

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



25.9947, 23.1000, 97.6656



34.6710, 23.1000, 72.4434



40.5605, 23.1000, 39.3133

Triad

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



34.6710, 23.1000, 72.4434



26.4627, 23.1000, 2.0342



10.0741, 23.1000, 37.7316

Complementary

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



34.6710, 23.1000, 72.4434



41.6374, 60.3714, 21.5157

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.



10.1405, 23.1000, 14.8795



34.6710, 23.1000, 72.4434



18.3587, 23.1000, 1.9751

Square

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



34.6710, 23.1000, 72.4434



35.0853, 23.1000, 5.1331



12.8054, 23.1000, 4.8369



12.5941, 23.1000, 70.6934

Rectangle

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



34.6710, 23.1000, 72.4434



41.3862, 23.1000, 22.0266



12.8054, 23.1000, 4.8369



9.8184, 23.1000, 28.5598

Sweetspot

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



34.6719, 23.1009, 72.4439



76.3222, 72.0805, 104.4981



30.0160, 30.9187, 74.1983



15.9133, 14.8106, 22.2700



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.



34.6719, 23.1009, 72.4439



41.1651, 24.1597, 97.1014



47.2292, 29.6991, 67.3991



13.7060, 13.6320, 17.2965



13.2619, 5.9321, 41.4944



1.0208, 0.4636, 2.8809

Inverse Universe

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



40.6567, 27.0701, 32.7886



50.7826, 30.4914, 35.4892



34.3613, 56.5722, 23.3526



13.9465, 13.7962, 15.4882



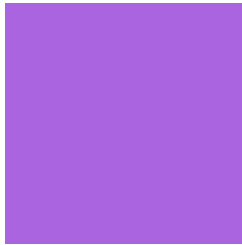
19.1422, 9.7239, 7.4147



1.3709, 0.6916, 0.7458

Previews

White Background



This preview shows how the XYZ color 34.6710, 23.1000, 72.4434 looks on a white background.

Color Contrast Check

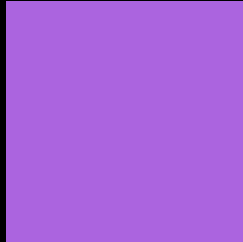
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.6710, 23.1000, 72.4434 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 34.6710, 23.1000, 72.4434

Background



This preview shows how black text looks on a background with the XYZ color 34.6710, 23.1000, 72.4434.



This preview shows how white text looks on a background with the XYZ color 34.6710, 23.1000,

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

34.6710, 23.1000, 72.4434

Protanopia

27.3117, 23.5272, 94.3685

Deuteranopia

24.0905, 23.4384, 68.2201



Tritanopia

25.0269, 22.9273, 25.2967

Trichromacy



Original Color

34.6710, 23.1000, 72.4434



Protanomaly

28.0645, 22.2508, 86.0348



Deuteranomaly

26.4336, 22.2999, 69.9289



Tritanomaly

27.7116, 22.5917, 38.9765

Monochromacy



Original Color

34.6710, 23.1000, 72.4434



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

26.1473, 23.0050, 39.6215

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6710, 23.1000, 72.4434 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(171, 100, 223)` looks like.

```
.text, #text, p{  
    color:rgb(171, 100, 223)  
}
```

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(171, 100, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 100, 223) }
```

Border

The CSS property to change the border of an element to XYZ 34.6710, 23.1000, 72.4434 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(171, 100, 223) }
```


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

```
.border{ border-color:rgb(171, 100, 223) }
```

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

Here you see how a box with a 4 pixel rgb(171, 100, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 100, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 100, 223);  
box-shadow:4px 4px 4px 4px rgb(171, 100,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6710, 23.1000, 72.4434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 100, 223) }
```

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

```
.background{ background-color: rgb(171,  
100, 223) }
```

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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