

Converting Colors

XYZ(34.4898, 23.5109, 74.6588)

Have a look what the booklet for
XYZ(34.4898, 23.5109, 74.6588)
contains.

XYZ(34.6141, 23.6071, 74.6838)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(34.6141, 23.6071,
74.6838)**

Conversions

Conversions Part 1

Format	Color
Hex	A768E2
RGB	167, 104, 226
RGB Percent	65%, 41%, 89%
CMY	0.3451, 0.5921, 0.1137
CMYK	0.26, 0.54, 0.00, 0.11
HSL	271°, 68%, 65%
HSV	271°, 54%, 89%
XYZ	34.6141, 23.6071, 74.6838
YIQ	136.7450, -1.6140, 51.2980

Conversions

Conversions Part 2

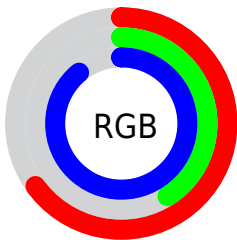
Format	Color
R _Y B	167, 104, 226
Decimal	10971362
CIE Lab	55.69, 48.04, -52.77
CIE LCh	56, 71.366, 312.313
Yxy	23.6071, 0.2604, 0.1776
Android (android.graphics.Color)	4289161442 (0xFFA768E2)
YUV	136.7450, 44.0027, 26.5336
Hunter-Lab	48.5871, 42.1382, -57.1243

Details

The XYZ color **34.6141, 23.6071, 74.6838** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **44.7998, 63.1792, 22.9311**, and the grayscale version is **23.5224, 24.7474, 26.9499**.

A 20% lighter version of the original color is **61.1583, 47.3415, 100.5222**, and **15.0843, 8.8280, 38.9392** is the 20% darker color. If you saturate the color by 10%, you get **30.4245, 18.5112, 73.9214**, and if you desaturate by 10%, it is **39.6102, 30.0243, 75.6596**.

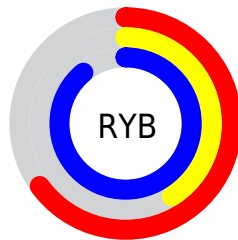
Distribution



Red (65%)

Green (41%)

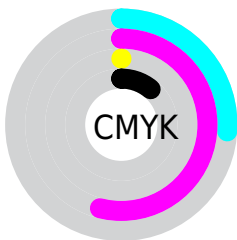
Blue (89%)



Red (65%)

Yellow (41%)

Blue (89%)

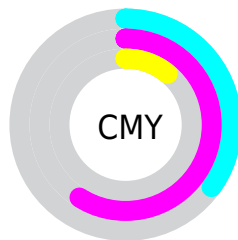


Cyan (26%)

Magenta (54%)

Yellow (0%)

Black (11%)



Cyan (35%)


Magenta (59%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.6141, 23.6071, 74.6838 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 34.6141, 23.6071, 74.6838 by changing the saturation by 10% instead.

 34.6141, 23.6071,
74.6838


 34.6141, 23.6071,
74.6838


314.3996,
270.8280, 496.0564


 23.5309, 15.0424,
54.8537


 66.2255, 49.3883,
127.6076


 15.1088, 8.8492,
38.8868


 87.4844, 67.3736,
161.5385

 8.9826, 4.6429,
26.3645


 112.8658, 89.2679,
201.0067

 4.7869, 2.0393,
16.8683

 142.7353,
115.4555, 246.4307

 2.1562, 0.6302,
9.9797

177.4580,
146.3210, 298.2292

 0.7195, 0.0000,
5.2801

217.3994,

 0.0000, 0.0000,

182.2486, 356.8206

2.3509

262.9248,
223.6229, 422.6235

■ 0.0000, 0.0000,
0.7595

■ 0.0000, 0.0000,
0.0000

■ 34.6141, 23.6071,
74.6838

■ 34.6141, 23.6071,
74.6838

■ 30.4245, 18.5112,
73.9214

■ 39.6102, 30.0243,
75.6596

■ 26.9838, 14.6315,
73.3539

■ 45.4590, 37.8513,
76.8620

■ 24.2303, 11.8511,
72.9624

■ 52.2062, 47.1717,
78.3055

■ 22.0885, 10.0265,
72.7231

■ 59.8930, 58.0619,
80.0023

21.0243, 9.2527,
72.6298

68.5582, 70.5927,
81.9643

78.2379, 84.8307,
84.2023

86.6254, 96.1563,
85.9463

90.5210, 98.1645,
86.1286

90.7276, 98.2710,
86.1383

Harmonies

Analogous

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



25.9189, 23.6071, 98.3512



34.6141, 23.6071, 74.6838



40.7464, 23.6071, 41.7422

Triad

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



34.6141, 23.6071, 74.6838



27.5001, 23.6071, 2.3412



10.4189, 23.6071, 36.4152

Complementary

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



34.6141, 23.6071, 74.6838



44.7998, 63.1792, 22.9311

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.



10.6468, 23.6071, 14.4115



34.6141, 23.6071, 74.6838



19.2833, 23.6071, 2.1292

Square

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



34.6141, 23.6071, 74.6838



36.0086, 23.6071, 5.8727



13.5155, 23.6071, 4.8371



12.7936, 23.6071, 68.8329

Rectangle

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



34.6141, 23.6071, 74.6838



41.8309, 23.6071, 23.9490



13.5155, 23.6071, 4.8371



10.2135, 23.6071, 27.5430

Sweetspot

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



34.6151, 23.6080, 74.6843



76.4971, 73.1225, 104.6900



32.8923, 35.3452, 77.0407



15.9150, 14.9989, 22.3062



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.



34.6151, 23.6080, 74.6843



39.2873, 23.5023, 97.0735



50.0424, 31.5611, 75.4063



13.6238, 13.5896, 17.2927



12.1322, 5.3497, 41.4415



0.9442, 0.4241, 2.8773

Inverse Universe

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



42.9258, 28.7144, 37.9308



52.0329, 31.3263, 41.0407



35.4046, 58.3358, 22.4914



13.9820, 13.8104, 15.6754



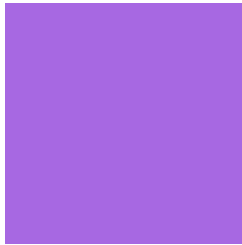
19.5364, 9.8816, 9.4906



1.3993, 0.7030, 0.8953

Previews

White Background



This preview shows how the XYZ color 34.6141, 23.6071, 74.6838 looks on a white background.

Color Contrast Check

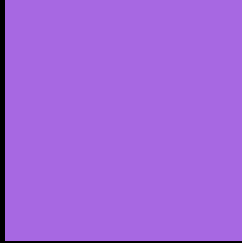
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.6141, 23.6071, 74.6838 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

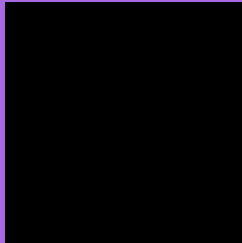
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.6141, 23.6071, 74.6838

Background



This preview shows how black text looks on a background with the XYZ color 34.6141, 23.6071, 74.6838.



This preview shows how white text looks on a background with the XYZ color 34.6141, 23.6071,

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

34.6141, 23.6071, 74.6838

Protanopia

27.7791, 24.1592, 94.4659

Deuteranopia

24.5853, 23.8372, 71.0154



Tritanopia

24.8672, 23.5642, 26.9046

Trichromacy



Original Color

34.6141, 23.6071, 74.6838



Protanomaly

28.5733, 23.0286, 86.9434



Deuteranomaly

26.6982, 22.7548, 72.0922



Tritanomaly

27.6629, 23.2263, 40.5613

Monochromacy



Original Color

34.6141, 23.6071, 74.6838



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

26.7078, 23.8277, 40.7277

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6141, 23.6071, 74.6838 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(167, 104, 226)` looks like.

```
.text, #text, p{  
    color:rgb(167, 104, 226)  
}
```

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(167, 104, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 104, 226) }
```

Border

The CSS property to change the border of an element to XYZ 34.6141, 23.6071, 74.6838 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(167, 104, 226) }
```


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

```
.border{ border-color:rgb(167, 104, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 104, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 104, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 104, 226);  
box-shadow:4px 4px 4px 4px rgb(167, 104,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6141, 23.6071, 74.6838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 104, 226) }
```

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

```
.background{ background-color: rgb(167,  
104, 226) }
```

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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