

Converting Colors

XYZ(34.8216, 24.6367, 60.7918)

Have a look what the booklet for
XYZ(34.8216, 24.6367, 60.7918)
contains.

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Color

**XYZ(34.7421, 24.5979,
60.6744)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | B26CCD |
| RGB | 178, 108, 205 |
| RGB Percent | 70%, 42%, 80% |
| CMY | 0.3020, 0.5765, 0.1961 |
| CMYK | 0.13, 0.47, 0.00, 0.20 |
| HSL | 283°, 49%, 61% |
| HSV | 283°, 47%, 80% |
| XYZ | 34.7421, 24.5979, 60.6744 |
| YIQ | 139.9880, 10.5830, 45.0070 |

Conversions

Conversions Part 2

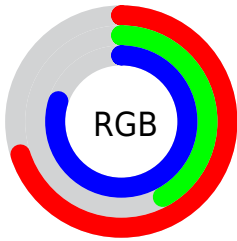
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 178, 108, 205 |
| Decimal | 11693261 |
| CIE _{Lab} | 56.68, 44.22, -39.27 |
| CIE _{LCh} | 57, 59.136, 318.393 |
| Yxy | 24.5979, 0.2895, 0.2050 |
| Android (android.graphics.Color) | 4289883341 (0xFFB26CCD) |
| YUV | 139.9880, 32.0509, 33.3365 |
| Hunter-Lab | 49.5963, 38.2455, -37.8160 |

Details

The XYZ color **34.7421, 24.5979, 60.6744** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **34.5306, 49.8969, 21.9995**, and the grayscale version is **24.8001, 26.0916, 28.4137**.

A 20% lighter version of the original color is **65.0558, 50.3719, 100.9017**, and **15.1365, 9.3392, 29.8590** is the 20% darker color. If you saturate the color by 10%, you get **31.5469, 20.1102, 59.9770**, and if you desaturate by 10%, it is **38.5019, 30.1322, 61.5449**.

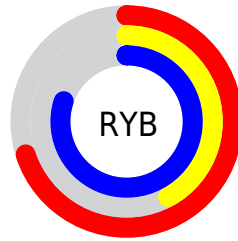
Distribution



Red (70%)

Green (42%)

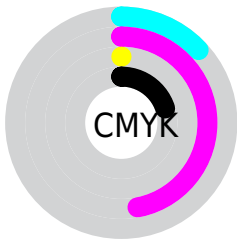
Blue (80%)



Red (70%)

Yellow (42%)

Blue (80%)

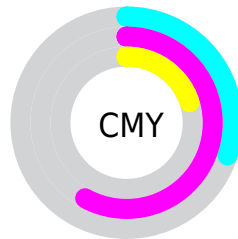


Cyan (13%)

Magenta (47%)

Yellow (0%)

Black (20%)



Cyan (30%)


Magenta (58%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.7421, 24.5979, 60.6744 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 34.7421, 24.5979, 60.6744 by changing the saturation by 10% instead.


 34.7421, 24.5979,
60.6744

 34.7421, 24.5979,
60.6744


314.9565,
275.8295, 444.9526

 23.6299, 15.7777,
43.5336


 66.4227, 51.0041,
107.3603


 15.1825, 9.3670,
29.9695


 87.7218, 69.3590,
137.7424

 9.0347, 4.9813,
19.5636


 113.1472, 91.6609,
173.3755

 4.8211, 2.2363,
11.8973

 143.0643,
118.2942, 214.6779

 2.1764, 0.7397,
6.5521

177.8384,
149.6433, 262.0683

 0.7302, 0.0000,
3.1094

217.8349,

 0.0000, 0.0000,

186.0926, 315.9652

1.1508

263.4191,
228.0266, 376.7871

■ 0.0000, 0.0000,
0.0000

■ 34.7421, 24.5979,
60.6744

■ 34.7421, 24.5979,
60.6744

■ 31.5469, 20.1102,
59.9770

■ 38.5019, 30.1322,
61.5449

■ 28.8766, 16.5934,
59.4389

■ 42.8567, 36.7758,
62.5977

■ 26.6907, 13.9663,
59.0470


■ 47.8382, 44.5898,
63.8434


■ 24.9406, 12.1329,
58.7854

■ 53.4746, 53.6300,
65.2912

■ 23.5598, 10.9612,
58.6320

■ 59.7925, 63.9485,
66.9499

 23.2213, 10.6980,
58.5991

 66.8169, 75.5946,
68.8276

 74.5714, 88.6146,
70.9320

 77.4119, 91.7194,
71.3816

 79.2067, 92.6446,
71.4656

Harmonies

Analogous

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



27.8109, 24.5979, 81.2804



34.7421, 24.5979, 60.6744



38.8943, 24.5979, 35.1590

Triad

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



34.7421, 24.5979, 60.6744



26.1458, 24.5979, 4.1646



12.9322, 24.5979, 40.6172

Complementary

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



34.7421, 24.5979, 60.6744



34.5306, 49.8969, 21.9995

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.



12.6608, 24.5979, 19.8555



34.7421, 24.5979, 60.6744



19.4459, 24.5979, 4.5096

Square

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



34.7421, 24.5979, 60.6744



33.3189, 24.5979, 7.2587



14.8115, 24.5979, 8.6707



15.6441, 24.5979, 66.3152

Rectangle

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



34.7421, 24.5979, 60.6744



39.0756, 24.5979, 21.6208



14.8115, 24.5979, 8.6707



12.5754, 24.5979, 32.7075

Sweetspot

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



34.7430, 24.5989, 60.6749



81.1380, 77.4635, 105.2833



25.9363, 25.0601, 61.2281



16.9502, 15.9162, 22.4287



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.



34.7430, 24.5989, 60.6749



51.4783, 32.6743, 98.2013



39.1901, 27.1652, 48.5168



11.3713, 11.2407, 14.1407



14.5523, 6.7095, 36.4843



0.8220, 0.3829, 1.8855

Inverse Universe

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



34.9134, 25.4545, 25.9958



52.2920, 34.5420, 32.8109



31.9801, 48.4369, 28.4395



11.3385, 11.2641, 12.3173



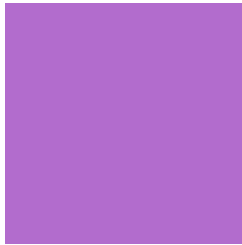
16.1694, 8.2783, 3.3445



0.8670, 0.4402, 0.3453

Previews

White Background



This preview shows how the XYZ color 34.7421, 24.5979, 60.6744 looks on a white background.

Color Contrast Check

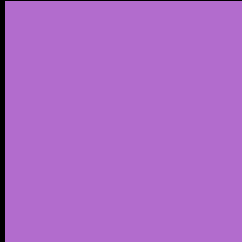
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.7421, 24.5979, 60.6744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

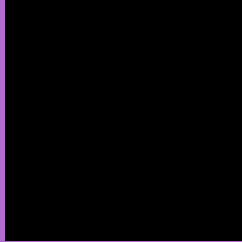
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.7421, 24.5979, 60.6744

Background



This preview shows how black text looks on a background with the XYZ color 34.7421, 24.5979, 60.6744.



This preview shows how white text looks on a background with the XYZ color 34.7421, 24.5979,

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

34.7421, 24.5979, 60.6744

Protanopia

27.1824, 24.8625, 76.0393

Deuteranopia

25.5197, 24.8131, 58.0879



Tritanopia

27.7851, 24.7133, 25.8600

Trichromacy



Original Color

34.7421, 24.5979, 60.6744

Protanomaly

28.5980, 23.9654, 70.1363

Deuteranomaly

27.9860, 24.0824, 59.0505

Tritanomaly

29.9552, 24.5024, 36.4083

Monochromacy



Original Color

34.7421, 24.5979, 60.6744

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

27.7464, 24.9887, 38.4829

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7421, 24.5979, 60.6744 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(178, 108, 205)` looks like.

```
.text, #text, p{  
    color:rgb(178, 108, 205)  
}
```

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(178, 108, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 108, 205) }
```

Border

The CSS property to change the border of an element to XYZ 34.7421, 24.5979, 60.6744 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(178, 108, 205) }
```


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

```
.border{ border-color:rgb(178, 108, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 108, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 108, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 108, 205);  
box-shadow:4px 4px 4px 4px rgb(178, 108,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7421, 24.5979, 60.6744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 108, 205) }
```

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

```
.background{ background-color: rgb(178,  
108, 205) }
```

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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