

Converting Colors

XYZ(34.1769, 24.5966, 81.2442)

Have a look what the booklet for
XYZ(34.1769, 24.5966, 81.2442)
contains.

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Color

**XYZ(34.2269, 24.6784,
81.5567)**

Conversions

Conversions Part 1

Format	Color
Hex	9A71EB
RGB	154, 113, 235
RGB Percent	60%, 44%, 92%
CMY	0.3961, 0.5569, 0.0784
CMYK	0.34, 0.52, 0.00, 0.08
HSL	260°, 75%, 68%
HSV	260°, 52%, 92%
XYZ	34.2269, 24.6784, 81.5567
YIQ	139.1670, -14.7260, 46.6340

Conversions

Conversions Part 2

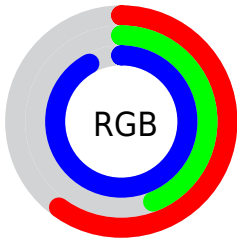
Format	Color
RYB	154, 113, 235
Decimal	10121707
CIELab	56.76, 42.10, -56.18
CIELCh	57, 70.207, 306.845
Yxy	24.6784, 0.2437, 0.1757
Android (android.graphics.Color)	4288311787 (0xFF9A71EB)
YUV	139.1670, 47.2457, 13.0085
Hunter-Lab	49.6774, 36.0482, -62.5639

Details

The XYZ color **34.2269, 24.6784, 81.5567** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **54.9372, 72.0786, 26.6405**, and the grayscale version is **24.4336, 25.7060, 27.9938**.

A 20% lighter version of the original color is **58.8376, 48.4895, 100.8661**, and **14.8504, 9.3660, 43.1446** is the 20% darker color. If you saturate the color by 10%, you get **29.1575, 18.6644, 80.6635**, and if you desaturate by 10%, it is **40.3630, 32.2505, 82.6953**.

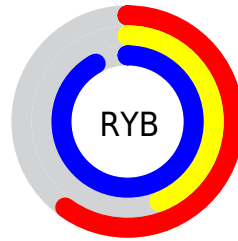
Distribution



Red (60%)

Green (44%)

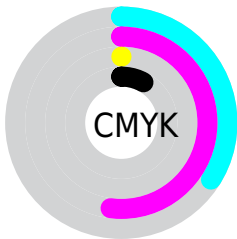
Blue (92%)



Red (60%)

Yellow (44%)

Blue (92%)

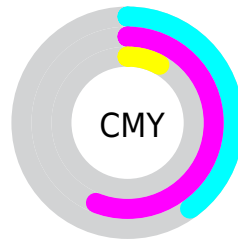


Cyan (34%)

Magenta (52%)

Yellow (0%)

Black (8%)



Cyan (40%)

Magenta (56%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.2269, 24.6784, 81.5567 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 34.2269, 24.6784, 81.5567 by changing the saturation by 10% instead.

34.2269, 24.6784,
81.5567

34.2269, 24.6784,
81.5567

312.7107,
276.2325, 520.0081

23.2317, 15.8376,
60.4665

65.6283, 51.1350,
137.3833

14.8863, 9.4093,
43.3670

86.7652, 69.5196,
172.9567

8.8254, 5.0091,
29.8397

112.0134, 91.8543,
214.1950

4.6837, 2.2526,
19.4659

141.7382,
118.5235, 261.5167

2.0957, 0.7485,
11.8272

176.3050,
149.9115, 315.3403

0.6869, 0.0000,
6.5050

216.0791,

0.0000, 0.0000,

186.4027, 376.0844

3.0808

261.4259,
228.3816, 444.1675

■ 0.0000, 0.0000,
1.1360

■ 0.0000, 0.0000,
0.0000

■ 34.2269, 24.6784,
81.5567

■ 34.2269, 24.6784,
81.5567

■ 29.1575, 18.6644,
80.6635

■ 40.3630, 32.2505,
82.6953

■ 25.0835, 14.0910,
79.9955

■ 47.6244, 41.4807,
84.0942

■ 21.9285, 10.8280,
79.5320

■ 56.0691, 52.4640,
85.7691

■ 19.6016, 8.7185,
79.2474

■ 65.7497, 65.2868,
87.7340

■ 18.2182, 7.6596,
79.1160

■ 76.7157, 80.0301,
90.0017

■ 89.0136, 96.7698,
92.5847

■ 91.9955, 98.7782,
92.8151

Harmonies

Analogous

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



25.3841, 24.6784, 101.1625



34.2269, 24.6784, 81.5567



41.1253, 24.6784, 48.8006

Triad

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



34.2269, 24.6784, 81.5567



30.2115, 24.6784, 3.0738



11.0345, 24.6784, 32.6141

Complementary

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



34.2269, 24.6784, 81.5567



54.9372, 72.0786, 26.6405

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.



11.7490, 24.6784, 12.7484



34.2269, 24.6784, 81.5567



21.6283, 24.6784, 2.3574

Square

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



34.2269, 24.6784, 81.5567



38.4554, 24.6784, 7.8809



15.2213, 24.6784, 4.5229



12.9734, 24.6784, 64.0178

Rectangle

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



34.2269, 24.6784, 81.5567



42.9624, 24.6784, 29.4308



15.2213, 24.6784, 4.5229



10.9811, 24.6784, 24.4634

Sweetspot

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



34.2279, 24.6793, 81.5573



74.1142, 71.8940, 104.5784



41.1721, 48.2417, 85.7393



15.3492, 14.7073, 22.2797



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.



34.2279, 24.6793, 81.5573



34.8994, 22.2382, 97.0607



48.8277, 32.2057, 82.2406



14.7083, 14.7949, 19.0027



10.2607, 4.3255, 44.0371



0.9047, 0.3907, 3.4626

Inverse Universe

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



49.9041, 33.3680, 54.8490



56.1502, 34.0488, 59.4065



42.4152, 65.6232, 26.0545



15.4872, 15.2227, 17.8506



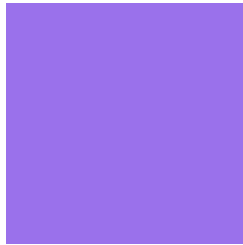
22.4703, 11.1908, 18.8096



1.8089, 0.8965, 1.7112

Previews

White Background



This preview shows how the XYZ color 34.2269, 24.6784, 81.5567 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 34.2269, 24.6784, 81.5567 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 34.2269, 24.6784, 81.5567

Background



This preview shows how black text looks on a background with the XYZ color 34.2269, 24.6784, 81.5567.



This preview shows how white text looks on a background with the XYZ color 34.2269, 24.6784,

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

34.2269, 24.6784, 81.5567

Protanopia

28.8131, 25.0360, 97.0797

Deuteranopia

25.7544, 24.9066, 78.3130



Tritanopia

23.8440, 24.5542, 30.6768

Trichromacy



Original Color

34.2269, 24.6784, 81.5567

Protanomaly

29.6016, 24.2074, 91.1080

Deuteranomaly

27.6515, 24.0312, 79.5250

Tritanomaly

26.7806, 24.1439, 45.3682

Monochromacy



Original Color

34.2269, 24.6784, 81.5567

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

27.1242, 24.9505, 43.4307

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2269, 24.6784, 81.5567 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(154, 113, 235)` looks like.

```
.text, #text, p{  
    color:rgb(154, 113, 235)  
}
```

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(154, 113, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 113, 235) }
```

Border

The CSS property to change the border of an element to XYZ 34.2269, 24.6784, 81.5567 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(154, 113, 235) }
```


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

```
.border{ border-color:rgb(154, 113, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 113, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 113, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 113, 235);  
box-shadow:4px 4px 4px 4px rgb(154, 113,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2269, 24.6784, 81.5567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 113, 235) }
```

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

```
.background{ background-color: rgb(154,  
113, 235) }
```

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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