

Converting Colors

XYZ(33.5551, 24.1823, 77.3498)

Have a look what the booklet for
XYZ(33.5551, 24.1823, 77.3498)
contains.

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Color

**XYZ(33.4546, 24.2140,
77.0393)**

Conversions

Conversions Part 1

Format	Color
Hex	9B70E5
RGB	155, 112, 229
RGB Percent	61%, 44%, 90%
CMY	0.3921, 0.5608, 0.1020
CMYK	0.32, 0.51, 0.00, 0.10
HSL	262°, 69%, 67%
HSV	262°, 51%, 90%
XYZ	33.4546, 24.2140, 77.0393
YIQ	138.1950, -11.9290, 45.5030

Conversions

Conversions Part 2

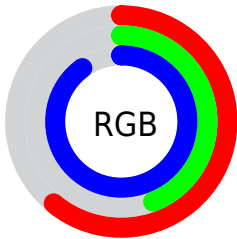
Format	Color
R _Y B	155, 112, 229
Decimal	10186981
CIE Lab	56.30, 41.38, -53.56
CIE LCh	56, 67.684, 307.693
Yxy	24.2140, 0.2483, 0.1798
Android (android.graphics.Color)	4288377061 (0xFF9B70E5)
YUV	138.1950, 44.7669, 14.7380
Hunter-Lab	49.2077, 35.2424, -58.3786

Details

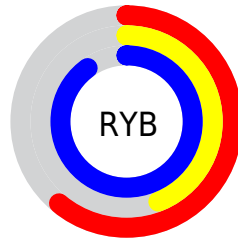
The XYZ color **33.4546, 24.2140, 77.0393** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **51.1938, 67.6479, 25.6890**, and the grayscale version is **24.0704, 25.3240, 27.5778**.

A 20% lighter version of the original color is **58.6565, 48.1273, 100.8057**, and **14.4110, 9.1150, 40.5350** is the 20% darker color. If you saturate the color by 10%, you get **28.6269, 18.4397, 76.1796**, and if you desaturate by 10%, it is **39.2601, 31.4468, 78.1298**.

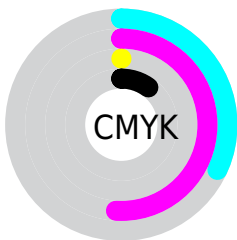
Distribution



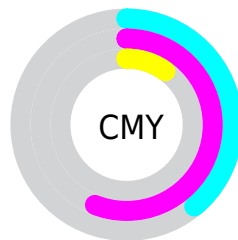
- Red (61%)
- Green (44%)
- Blue (90%)



- Red (61%)
- Yellow (44%)
- Blue (90%)



- Cyan (32%)
- Magenta (51%)
- Yellow (0%)
- Black (10%)





- Cyan (39%)
- Magenta (56%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4546, 24.2140, 77.0393 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 33.4546, 24.2140, 77.0393 by changing the saturation by 10% instead.


 33.4546, 24.2140,
77.0393

 33.4546, 24.2140,
77.0393


309.3221,
273.9006, 504.3392


 22.6358, 15.4924,
56.7734


 64.4346, 50.3792,
130.9685


 14.4440, 9.1657,
40.4152


 85.3265, 68.5916,
165.4688

 8.5139, 4.8494,
27.5461


 110.3068, 90.7365,
205.5510

 4.4801, 2.1592,
17.7478

 139.7409,
117.1981, 251.6337

 1.9771, 0.6976,
10.6015

173.9941,
148.3609, 304.1353

 0.6211, 0.0000,
5.6888

213.4318,

 0.0000, 0.0000,

184.6094, 363.4744

2.5911

258.4194,
226.3278, 430.0695

■ 0.0000, 0.0000,
0.8878

■ 0.0000, 0.0000,
0.0000

■ 33.4546, 24.2140,
77.0393

■ 33.4546, 24.2140,
77.0393

■ 28.6269, 18.4397,
76.1796

■ 39.2601, 31.4468,
78.1298

■ 24.7126, 14.0157,
75.5320

■ 46.0962, 40.2302,
79.4649

■ 21.6432, 10.8225,
75.0775

■ 54.0149, 50.6515,
81.0591

■ 19.3375, 8.7170,
74.7926

■ 63.0638, 62.7909,
82.9253

■ 17.8140, 7.5497,
74.6476

■ 73.2875, 76.7229,
85.0756

■ 84.7282, 92.5179,
87.5213

■ 91.1430, 98.4372,
88.3258

Harmonies

Analogous

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



25.0809, 24.2140, 95.9310



33.4546, 24.2140, 77.0393



39.8620, 24.2140, 46.2562

Triad

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



33.4546, 24.2140, 77.0393



29.1886, 24.2140, 3.2498



11.1233, 24.2140, 32.5415

Complementary

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



33.4546, 24.2140, 77.0393



51.1938, 67.6479, 25.6890

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.



11.7424, 24.2140, 13.1927



33.4546, 24.2140, 77.0393



21.0652, 24.2140, 2.5986

Square

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



33.4546, 24.2140, 77.0393



37.0365, 24.2140, 7.8595



15.0098, 24.2140, 4.8917



13.0713, 24.2140, 62.3047

Rectangle

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



33.4546, 24.2140, 77.0393



41.4845, 24.2140, 28.1319



15.0098, 24.2140, 4.8917



11.0478, 24.2140, 24.6735

Sweetspot

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



33.4556, 24.2149, 77.0399



75.6916, 73.6740, 104.8389



38.4055, 44.2625, 80.6486



15.6774, 15.0668, 22.3318



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.



33.4556, 24.2149, 77.0399



36.3853, 23.3592, 97.1988



47.4944, 31.4521, 77.6969



14.0806, 14.1438, 18.1322



10.3065, 4.3791, 42.6852



0.8611, 0.3749, 3.1589

Inverse Universe

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



46.9706, 31.7921, 50.1149



55.9180, 34.3385, 57.0039



39.7866, 61.7673, 25.1552



14.7586, 14.5206, 16.9292



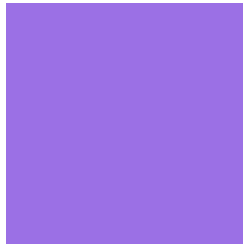
21.4497, 10.7141, 16.5292



1.6294, 0.8095, 1.4551

Previews

White Background



This preview shows how the XYZ color 33.4546, 24.2140, 77.0393 looks on a white background.

Color Contrast Check

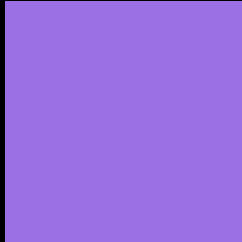
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.4546, 24.2140, 77.0393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

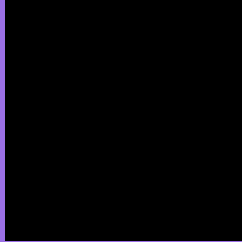
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.4546, 24.2140, 77.0393

Background



This preview shows how black text looks on a background with the XYZ color 33.4546, 24.2140, 77.0393.



This preview shows how white text looks on a background with the XYZ color 33.4546, 24.2140,

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

33.4546, 24.2140, 77.0393

Protanopia

28.0401, 24.5464, 92.0670

Deuteranopia

25.3193, 24.5679, 73.9286



Tritanopia

23.8267, 24.1615, 29.3944

Trichromacy



Original Color

33.4546, 24.2140, 77.0393



Protanomaly

28.9105, 23.7694, 86.2833



Deuteranomaly

27.1425, 23.6730, 75.0903



Tritanomaly

26.4752, 23.6525, 43.2144

Monochromacy



Original Color

33.4546, 24.2140, 77.0393



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

26.7025, 24.5701, 41.8632

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4546, 24.2140, 77.0393 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(155, 112, 229)` looks like.

```
.text, #text, p{  
    color:rgb(155, 112, 229)  
}
```

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(155, 112, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 112, 229) }
```

Border

The CSS property to change the border of an element to XYZ 33.4546, 24.2140, 77.0393 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(155, 112, 229) }
```


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

```
.border{ border-color:rgb(155, 112, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 112, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 112, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 112, 229);  
box-shadow:4px 4px 4px 4px rgb(155, 112,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4546, 24.2140, 77.0393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 112, 229) }
```

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

```
.background{ background-color: rgb(155,  
112, 229) }
```

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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