

Converting Colors

XYZ(34.2933, 24.6115, 97.5508)

Have a look what the booklet for
XYZ(34.2933, 24.6115, 97.5508)
contains.

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Color

**XYZ(34.3341, 24.7157,
97.5687)**

Conversions

Conversions Part 1

Format	Color
Hex	8873FF
RGB	136, 115, 255
RGB Percent	53%, 45%, 100%
CMY	0.4666, 0.5490, 0.0000
CMYK	0.47, 0.55, 0.00, 0.00
HSL	249°, 100%, 73%
HSV	249°, 55%, 100%
XYZ	34.3341, 24.7157, 97.5687
YIQ	137.2390, -32.4240, 47.9920

Conversions

Conversions Part 2

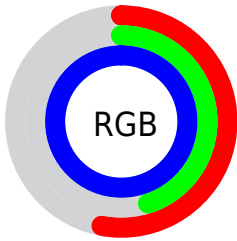
Format	Color
R _Y B	136, 115, 255
Decimal	8942591
CIE Lab	56.80, 42.31, -67.30
CIE LCh	57, 79.501, 302.157
Yxy	24.7157, 0.2192, 0.1578
Android (android.graphics.Color)	4287132671 (0xFF8873FF)
YUV	137.2390, 58.0562, -1.0866
Hunter-Lab	49.7149, 36.2746, -81.5601

Details

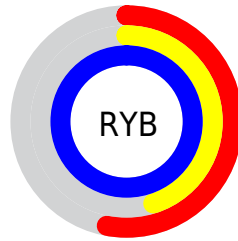
The XYZ color **34.3341, 24.7157, 97.5687** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **72.7848, 90.2495, 29.8038**, and the grayscale version is **23.6653, 24.8977, 27.1136**.

A 20% lighter version of the original color is **54.5583, 46.8274, 100.7708**, and **14.9279, 9.4235, 53.8555** is the 20% darker color. If you saturate the color by 10%, you get **28.6469, 18.0481, 96.5815**, and if you desaturate by 10%, it is **41.5391, 33.3597, 98.8574**.

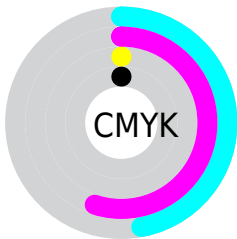
Distribution



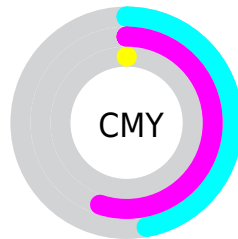
- Red (53%)
- Green (45%)
- Blue (100%)



- Red (53%)
- Yellow (45%)
- Blue (100%)



- Cyan (47%)
- Magenta (55%)
- Yellow (0%)
- Black (0%)



- Cyan (47%)
- Magenta (55%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.3341, 24.7157, 97.5687 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 34.3341, 24.7157, 97.5687 by changing the saturation by 10% instead.

■ 34.3341, 24.7157,
97.5687

■ 34.3341, 24.7157,
97.5687

313.1790,
276.4191, 573.5492

■ 23.3145, 15.8654,
73.6661

■ 65.7937, 51.1956,
159.8346

■ 14.9479, 9.4289,
54.0257

■ 86.9645, 69.5940,
199.0350

■ 8.8689, 5.0220,
38.2289

■ 112.2496, 91.9439,
244.1717

■ 4.7122, 2.2602,
25.8572

■ 142.0145,
118.6296, 295.6633

■ 2.1124, 0.7525,
16.4920

176.6246,
150.0356, 353.9283

■ 0.6959, 0.0000,
9.7149

216.4451,

■ 0.0000, 0.0000,

186.5463, 419.3852

5.1072

261.8414,
228.5460, 492.4527

■ 0.0000, 0.0000,
2.2505

■ 0.0000, 0.0000,
0.7033

■ 34.3341, 24.7157,
97.5687

■ 34.3341, 24.7157,
97.5687

■ 28.6469, 18.0481,
96.5815

■ 41.5391, 33.3597,
98.8574

■ 24.3631, 13.1962,
95.8708

■ 50.3588, 44.1188,
100.4693

■ 21.3565, 9.9775,
95.4080

■ 60.8853, 57.1220,
102.4244

■ 19.4755, 8.1686,
95.1580

■ 73.2029, 72.4871,
104.7409

■ 18.8589, 7.6370,
95.0879

■ 87.3905, 90.3236,
107.4360

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



24.1699, 24.7157, 117.1815



34.3341, 24.7157, 97.5687



43.0813, 24.7157, 58.5576

Triad

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



34.3341, 24.7157, 97.5687



32.8569, 24.7157, 2.2912



9.7848, 24.7157, 28.8819

Complementary

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



34.3341, 24.7157, 97.5687



72.7848, 90.2495, 29.8038

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.



10.9760, 24.7157, 9.3962



34.3341, 24.7157, 97.5687



22.8260, 24.7157, 1.3307

Square

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



34.3341, 24.7157, 97.5687



42.0823, 24.7157, 7.8385



15.2120, 24.7157, 2.6842



11.3856, 24.7157, 64.3349

Rectangle

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



34.3341, 24.7157, 97.5687



45.9913, 24.7157, 34.5102



15.2120, 24.7157, 2.6842



9.8712, 24.7157, 20.5186

Sweetspot

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



34.3351, 24.7165, 97.5688



71.7598, 70.6803, 104.4683



54.5433, 69.7107, 105.1885



14.7936, 14.4209, 22.2537



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.



34.3351, 24.7165, 97.5688



28.1098, 17.4294, 96.4904



49.6346, 32.6036, 98.2848



17.2566, 17.5085, 22.7199



9.9296, 4.0294, 49.6890



1.0380, 0.4290, 4.8414

Inverse Universe

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



62.2215, 39.4620, 82.1761



58.8717, 33.7270, 78.0857



54.1646, 80.6504, 28.9323



18.6686, 18.2508, 22.1381



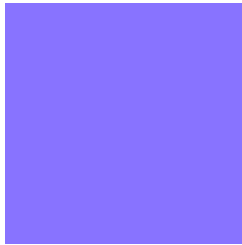
28.1199, 13.7373, 35.6117



2.7683, 1.3497, 3.6275

Previews

White Background



This preview shows how the XYZ color 34.3341, 24.7157, 97.5687 looks on a white background.

Color Contrast Check

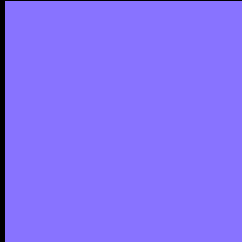
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.3341, 24.7157, 97.5687 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

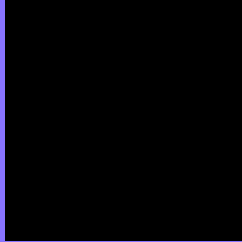
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.3341, 24.7157, 97.5687

Background



This preview shows how black text looks on a background with the XYZ color 34.3341, 24.7157, 97.5687.



This preview shows how white text looks on a background with the XYZ color 34.3341, 24.7157,

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

34.3341, 24.7157, 97.5687

Protanopia

28.7555, 24.9877, 97.9153

Deuteranopia

25.5699, 24.7695, 89.8195



Tritanopia

21.4590, 24.5378, 33.7423

Trichromacy



Original Color

34.3341, 24.7157, 97.5687

Protanomaly

30.0251, 24.4689, 97.7482

Deuteranomaly

26.3481, 23.4578, 92.7616

Tritanomaly

25.0167, 24.0718, 52.0430

Monochromacy



Original Color

34.3341, 24.7157, 97.5687

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

26.4050, 24.3142, 46.4814

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3341, 24.7157, 97.5687 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(136, 115, 255)` looks like.

```
.text, #text, p{  
    color:rgb(136, 115, 255)  
}
```

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(136, 115, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 115, 255) }
```

Border

The CSS property to change the border of an element to XYZ 34.3341, 24.7157, 97.5687 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(136, 115, 255) }
```


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

```
.border{ border-color:rgb(136, 115, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 115, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 115, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 115, 255);  
box-shadow:4px 4px 4px 4px rgb(136, 115,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 34.3341, 24.7157, 97.5687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 115, 255) }
```

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

```
.background{ background-color: rgb(136,  
115, 255) }
```

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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