

Converting Colors

XYZ(34.3594, 23.9053, 93.5230)

Have a look what the booklet for
XYZ(34.3594, 23.9053, 93.5230)
contains.

XYZ(34.2256, 23.7687, 93.2264)	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(34.2256, 23.7687,
93.2264)**

Conversions

Conversions Part 1

Format	Color
Hex	906DFA
RGB	144, 109, 250
RGB Percent	56%, 43%, 98%
CMY	0.4353, 0.5725, 0.0196
CMYK	0.42, 0.56, 0.00, 0.02
HSL	255°, 93%, 70%
HSV	255°, 56%, 98%
XYZ	34.2256, 23.7687, 93.2264
YIQ	135.5390, -24.4010, 51.2710

Conversions

Conversions Part 2

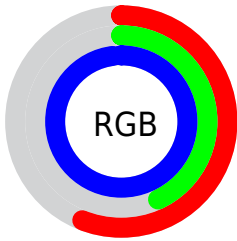
Format	Color
RYB	144, 109, 250
Decimal	9465338
CIELab	55.86, 46.00, -66.02
CIELCh	56, 80.468, 304.864
Yxy	23.7687, 0.2263, 0.1572
Android (android.graphics.Color)	4287655418 (0xFF906DFA)
YUV	135.5390, 56.4293, 7.4203
Hunter-Lab	48.7532, 39.9922, -79.2479

Details

The XYZ color **34.2256, 23.7687, 93.2264** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **64.9696, 83.9224, 27.2428**, and the grayscale version is **23.0334, 24.2330, 26.3897**.

A 20% lighter version of the original color is **55.5989, 45.7572, 100.5094**, and **14.9878, 9.0133, 51.4019** is the 20% darker color. If you saturate the color by 10%, you get **28.9142, 17.6189, 92.3198**, and if you desaturate by 10%, it is **40.8438, 31.7181, 94.4125**.

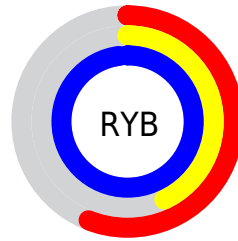
Distribution



Red (56%)

Green (43%)

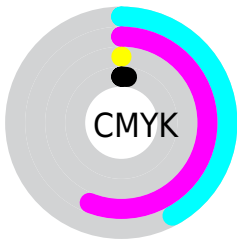
Blue (98%)



Red (56%)

Yellow (43%)

Blue (98%)

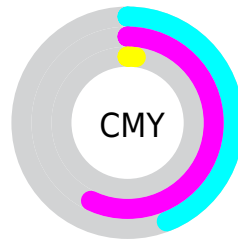


Cyan (42%)

Magenta (56%)

Yellow (0%)

Black (2%)



Cyan (44%)

Magenta (57%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.2256, 23.7687, 93.2264 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 34.2256, 23.7687, 93.2264 by changing the saturation by 10% instead.

■ 34.2256, 23.7687,
93.2264

■ 34.2256, 23.7687,
93.2264

312.7051,
271.6490, 559.3099

■ 23.2307, 15.1621,
70.0710

■ 65.6263, 49.6525,
153.7864

■ 14.8856, 8.9333,
51.1072

■ 86.7628, 67.6985,
192.0281

■ 8.8249, 4.6977,
35.9166

■ 112.0105, 89.6598,
236.1357

■ 4.6833, 2.0710,
24.0806

■ 141.7348,
115.9207, 286.5276

■ 2.0955, 0.6482,
15.1807

176.3011,
146.8657, 343.6224

■ 0.6868, 0.0000,
8.7983

216.0746,

■ 0.0000, 0.0000,

182.8792, 407.8387

4.5148

261.4208,
224.3455, 479.5951

■ 0.0000, 0.0000,
1.9118

■ 0.0000, 0.0000,
0.5002

■ 34.2256, 23.7687,
93.2264

■ 34.2256, 23.7687,
93.2264

■ 28.9142, 17.6189,
92.3198

■ 40.8438, 31.7181,
94.4125

■ 24.8131, 13.1200,
91.6676

■ 48.8491, 41.5945,
95.8969

■ 21.8165, 10.1027,
91.2431

■ 58.3189, 53.5164,
97.6989

■ 19.7953, 8.3566,
91.0126

■ 69.3238, 67.5919,
99.8358

■ 19.2460, 7.9284,
90.9589

■ 81.9297, 83.9213,
102.3233

■ 94.2554, 99.6822,
104.7158

Harmonies

Analogous

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



24.1175, 23.7687, 115.6611



34.2256, 23.7687, 93.2264



42.5754, 23.7687, 53.7542

Triad

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



34.2256, 23.7687, 93.2264



30.9267, 23.7687, 1.8098



9.1965, 23.7687, 30.3955

Complementary

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



34.2256, 23.7687, 93.2264



64.9696, 83.9224, 27.2428

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.



10.1061, 23.7687, 9.8258



34.2256, 23.7687, 93.2264



21.1311, 23.7687, 1.1367

Square

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



34.2256, 23.7687, 93.2264



40.3380, 23.7687, 6.4318



13.9469, 23.7687, 2.6369



11.0047, 23.7687, 66.7337

Rectangle

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



34.2256, 23.7687, 93.2264



45.0585, 23.7687, 30.6623



13.9469, 23.7687, 2.6369



9.2006, 23.7687, 21.6229

Sweetspot

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



34.2267, 23.7695, 93.2270



71.7566, 69.7269, 104.2844



48.4011, 59.8312, 99.4405



14.8394, 14.2570, 22.2197



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.



34.2267, 23.7695, 93.2270



29.4432, 17.5279, 96.4391



49.9913, 31.8964, 93.9648



16.6867, 16.8511, 21.7584



10.3179, 4.2618, 48.2523



1.0479, 0.4423, 4.4733

Inverse Universe

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



57.1587, 36.1678, 68.2565



56.1049, 31.9855, 65.4729



48.9074, 75.6420, 26.4911



17.7981, 17.4466, 20.7925



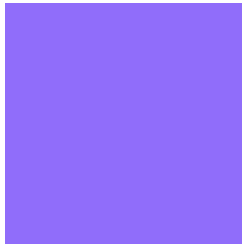
25.7835, 12.7291, 26.6320



2.4301, 1.1958, 2.6882

Previews

White Background



This preview shows how the XYZ color 34.2256, 23.7687, 93.2264 looks on a white background.

Color Contrast Check

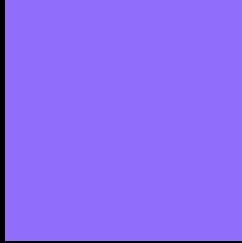
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.2256, 23.7687, 93.2264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

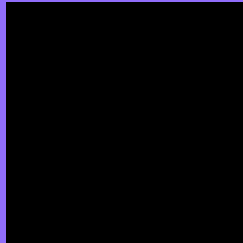
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.2256, 23.7687, 93.2264

Background



This preview shows how black text looks on a background with the XYZ color 34.2256, 23.7687, 93.2264.



This preview shows how white text looks on a background with the XYZ color 34.2256, 23.7687,

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

34.2256, 23.7687, 93.2264

Protanopia

28.0192, 24.2094, 97.8038

Deuteranopia

24.6813, 23.9592, 86.5428



Tritanopia

21.6784, 23.6368, 31.0236

Trichromacy



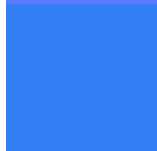
Original Color

34.2256, 23.7687, 93.2264



Protanomaly

29.1028, 23.2862, 95.8893



Deuteranomaly

25.2062, 22.1834, 88.5413



Tritanomaly

25.0147, 22.9716, 48.4629

Monochromacy



Original Color

34.2256, 23.7687, 93.2264



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

26.0441, 23.5850, 44.7747

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2256, 23.7687, 93.2264 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(144, 109, 250)` looks like.

```
.text, #text, p{  
    color:rgb(144, 109, 250)  
}
```

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(144, 109, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 109, 250) }
```

Border

The CSS property to change the border of an element to XYZ 34.2256, 23.7687, 93.2264 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(144, 109, 250) }
```


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

```
.border{ border-color:rgb(144, 109, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 109, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 109, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 109, 250);  
box-shadow:4px 4px 4px 4px rgb(144, 109,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2256, 23.7687, 93.2264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 109, 250) }
```

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

```
.background{ background-color: rgb(144,  
109, 250) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor