

Converting Colors

XYZ(49.4167, 36.8406,
134.1546)

Have a look what the booklet for
XYZ(49.4167, 36.8406, 134.1546)
contains.

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Color

**XYZ(42.6791, 34.0563,
98.9318)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | A38DFF |
| RGB | 163, 141, 255 |
| RGB Percent | 64%, 55%, 100% |
| CMY | 0.3608, 0.4470, 0.0000 |
| CMYK | 0.36, 0.45, 0.00, 0.00 |
| HSL | 252°, 100%, 78% |
| HSV | 252°, 45%, 100% |
| XYZ | 42.6791, 34.0563, 98.9318 |
| YIQ | 160.5740, -23.4820, 40.1180 |

Conversions

Conversions Part 2

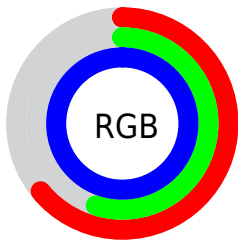
| Format | Color |
|-------------------------------------|--|
| RYB | 163, 141, 255 |
| Decimal | 10718719 |
| CIELab | 65.01, 33.71, -54.04 |
| CIELCh | 65, 63.696, 301.954 |
| Yxy | 34.0563, 0.2430, 0.1939 |
| Android (android.graphics.Color) | 4288908799 (0xFFA38DFF) |
| YUV | 160.5740, 46.5520, 2.1276 |
| Hunter-Lab | 58.3578, 28.4172, -59.6617 |

Details

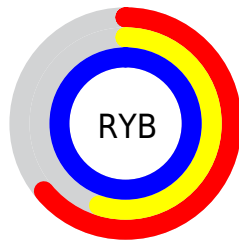
The XYZ color **42.6791, 34.0563, 98.9318** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **74.1719, 90.7666, 38.8108**, and the grayscale version is **33.4790, 35.2225, 38.3573**.

A 20% lighter version of the original color is **67.3839, 61.6224, 102.9505**, and **19.9126, 14.5153, 55.1783** is the 20% darker color. If you saturate the color by 10%, you get **35.4667, 25.3849, 97.6382**, and if you desaturate by 10%, it is **51.4451, 44.8144, 100.5463**.

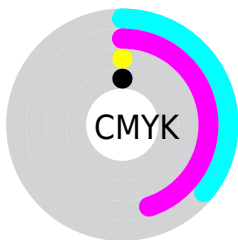
Distribution



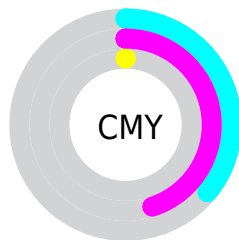
- Red (64%)
- Green (55%)
- Blue (100%)



- Red (64%)
- Yellow (55%)
- Blue (100%)



- Cyan (36%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)



- Cyan (36%)
- Magenta (45%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6791, 34.0563, 98.9318 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 42.6791, 34.0563, 98.9318 by changing the saturation by 10% instead.

42.6791, 34.0563,
98.9318

42.6791, 34.0563,
98.9318

348.2343,
320.3830, 577.9799

29.8268, 22.9369,
74.7968

78.4851, 66.0212,
161.7275

19.8546, 14.5469,
54.9457

102.1696, 87.6355,
201.2253

12.3971, 8.5020,
38.9600

130.1955,
113.5168, 246.6812

7.0888, 4.4178,
26.4210

162.9282,
144.0495, 298.5136

3.5645, 1.9099,
16.9103

200.7331,
179.6182, 357.1412

1.4589, 0.5543,
10.0093

243.9755,

0.2976, 0.0000,

220.6070, 422.9824

5.2994

293.0208,
267.4005, 496.4557

■ 0.0000, 0.0000,
2.3622

■ 0.0000, 0.0000,
0.7657

■ 42.6791, 34.0563,
98.9318

■ 42.6791, 34.0563,
98.9318

■ 35.4667, 25.3849,
97.6382

■ 51.4451, 44.8144,
100.5463

■ 29.7107, 18.6592,
96.6434

■ 61.8462, 57.7806,
102.5009

■ 25.3088, 13.7260,
95.9232

■ 73.9629, 73.0710,
104.8136

■ 22.1424, 10.4069,
95.4494

■ 87.8687, 90.7926,
107.5013

■ 20.0706, 8.4850,
95.1877

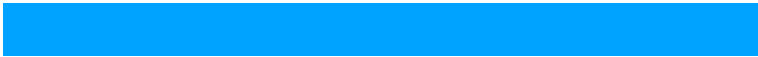
95.0500, 100.0000,
108.9000

■ 19.3270, 7.8783,
95.1098

Harmonies

Analogous

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



32.9774, 34.0563, 114.4064



42.6791, 34.0563, 98.9318



50.6561, 34.0563, 66.4153

Triad

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



42.6791, 34.0563, 98.9318



41.4332, 34.0563, 7.9099



17.6968, 34.0563, 38.8388

Complementary

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



42.6791, 34.0563, 98.9318



74.1719, 90.7666, 38.8108

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.



19.1171, 34.0563, 17.9772



42.6791, 34.0563, 98.9318



31.7691, 34.0563, 5.9768

Square

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



42.6791, 34.0563, 98.9318



49.8462, 34.0563, 16.1905



23.8702, 34.0563, 8.5439



19.5455, 34.0563, 70.9338

Rectangle

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



42.6791, 34.0563, 98.9318



53.2687, 34.0563, 44.6451



23.8702, 34.0563, 8.5439



17.8067, 34.0563, 30.4244

Sweetspot

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



42.6803, 34.0575, 98.9320



76.2050, 75.9174, 105.2448



58.4864, 71.7858, 105.3812



15.6918, 15.4635, 22.4077



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.



42.6803, 34.0575, 98.9320



35.9262, 25.9307, 97.7194



56.7589, 41.3153, 99.5909



17.3302, 17.5464, 22.7233



10.1913, 4.1643, 49.7012



1.0742, 0.4477, 4.8431

Inverse Universe

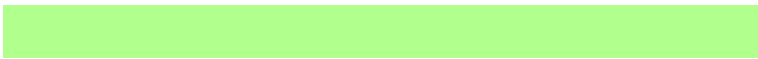
The Inverse Universe completely reimagines the original color for something new.



65.4731, 46.1937, 82.5555



61.6989, 39.6776, 78.1147



58.7226, 82.8023, 38.0878



18.6335, 18.2367, 21.9531



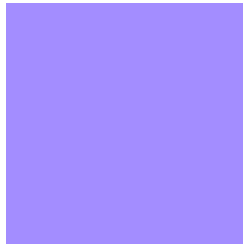
27.4098, 13.4532, 31.8724



2.7056, 1.3246, 3.2969

Previews

White Background



This preview shows how the XYZ color 42.6791, 34.0563, 98.9318 looks on a white background.

Color Contrast Check

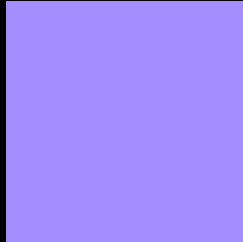
Large Text (above 18pt) WCAG AA × Fail

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 42.6791, 34.0563, 98.9318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

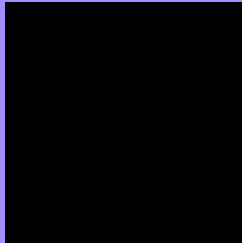
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.6791, 34.0563, 98.9318

Background



This preview shows how black text looks on a background with the XYZ color 42.6791, 34.0563, 98.9318.



This preview shows how white text looks on a background with the XYZ color 42.6791, 34.0563,

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

42.6791, 34.0563, 98.9318

Protanopia

37.0768, 34.1828, 99.2515

Deuteranopia

35.3484, 34.3618, 96.0362



Tritanopia

31.6943, 34.1399, 43.9489

Trichromacy



Original Color

42.6791, 34.0563, 98.9318

Protanomaly

38.6290, 33.7832, 99.0926

Deuteranomaly

37.2564, 33.8447, 96.6645

Tritanomaly

35.0008, 33.7221, 60.5414

Monochromacy



Original Color

42.6791, 34.0563, 98.9318

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

36.3062, 34.7327, 56.4203

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6791, 34.0563, 98.9318 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(163, 141, 255)` looks like.

```
.text, #text, p{  
    color:rgb(163, 141, 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(163, 141, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 141, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.6791, 34.0563, 98.9318 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(163, 141, 255) }
```


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

```
.border{ border-color:rgb(163, 141, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 141, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 141, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 141, 255);  
box-shadow:4px 4px 4px 4px rgb(163, 141,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6791, 34.0563, 98.9318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 141, 255) }
```

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

```
.background{ background-color: rgb(163,  
141, 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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