

Converting Colors

XYZ(34.1591, 52.7614, 8.3927)

Have a look what the booklet for
XYZ(34.1591, 52.7614, 8.3927)
contains.

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Color

**XYZ(34.2755, 52.9918,
8.4219)**

Conversions

Conversions Part 1

Format	Color
Hex	8AD500
RGB	138, 213, 0
RGB Percent	54%, 84%, 0%
CMY	0.4588, 0.1647, 0.9999
CMYK	0.35, 0.00, 1.00, 0.16
HSL	81°, 100%, 42%
HSV	81°, 100%, 84%
XYZ	34.2755, 52.9918, 8.4219
YIQ	166.2930, 23.6730, -82.1430

Conversions

Conversions Part 2

Format	Color
RYB	0, 213, 75
Decimal	9098496
CIELab	77.87, -48.72, 76.63
CIELCh	78, 90.807, 122.448
Yxy	52.9918, 0.3582, 0.5538
Android (android.graphics.Color)	4287288576 (0xFF8AD500)
YUV	166.2930, -81.9824, -24.8130
Hunter-Lab	72.7955, -43.3459, 44.0974

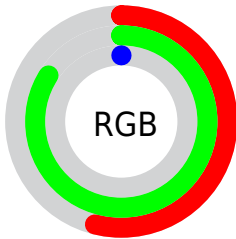
Details

The XYZ color **34.2755, 52.9918, 8.4219** is a dark color, and the websafe version is hex **99CC00**.

The color can be described as dark washed chartreuse. A complement of this color would be **14.9151, 6.3020, 63.3842**, and the grayscale version is **36.7668, 38.6816, 42.1242**.

A 20% lighter version of the original color is **60.4257, 84.0462, 21.6321**, and **15.4513, 26.1160, 4.2265** is the 20% darker color. If you saturate the color by 10%, you get **34.2751, 52.9933, 8.4222**, and if you desaturate by 10%, it is **35.6993, 53.7115, 9.2112**.

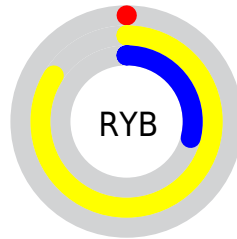
Distribution



Red (54%)

Green (84%)

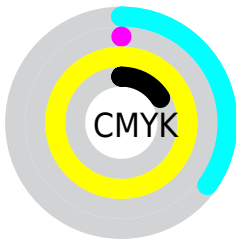
Blue (0%)



Red (0%)

Yellow (84%)

Blue (29%)

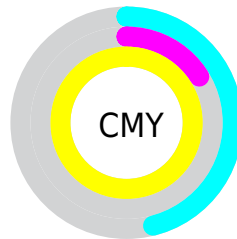


Cyan (35%)

Magenta (0%)

Yellow (100%)

Black (16%)



Cyan (46%)


Magenta (16%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.2755, 52.9918, 8.4219 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 34.2755, 52.9918, 8.4219 by changing the saturation by 10% instead.


 34.2755, 52.9918,
8.4219


 34.2755, 52.9918,
8.4219


312.9231,
398.2537, 189.0612


 23.2692, 37.7962,
4.2745


 65.7033, 94.5923,
23.3412


 14.9142, 25.8246,
1.7771


 86.8556, 121.7660,
34.9500

 8.8451, 16.6924,
0.4128


 112.1205,
153.7012, 49.8832

 4.6966, 10.0155,
0.0000

 141.8635,
190.7823, 68.5591

 2.1033, 5.4092,
0.0000

 176.4499,
233.3938, 91.3963

 0.6910, 2.4893,
0.0000

 216.2451,

 0.0000, 0.8713,

281.9198, 118.8133

0.0000

261.6143,
336.7450, 151.2288

■ 0.0000, 0.0000,
0.0000

■ 34.2755, 52.9918,
8.4219

■ 34.2755, 52.9918,
8.4219

■ 34.2751, 52.9933,
8.4222

■ 35.6993, 53.7115,
9.2112

■ 37.3619, 54.5351,
10.8068

■ 39.3169, 55.4858,
13.4772

■ 41.5937, 56.5757,
17.3697

■ 44.2176, 57.8151,
22.6089

■ 47.2107, 59.2131,
29.3038

■ 50.5932, 60.7777,
37.5523

■ 54.3833, 62.5166,
47.4439

■ 58.5982, 64.4367,
59.0612

Harmonies

Analogous

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



48.9328, 52.9918, 4.8962



34.2755, 52.9918, 8.4219



25.8870, 52.9918, 23.4255

Triad

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



34.2755, 52.9918, 8.4219



36.2530, 52.9918, 193.7398



92.4126, 52.9918, 53.6501

Complementary

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



34.2755, 52.9918, 8.4219



14.9151, 6.3020, 63.3842

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.



86.8119, 52.9918, 115.2909



34.2755, 52.9918, 8.4219



51.8292, 52.9918, 219.2868

Square

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



34.2755, 52.9918, 8.4219



26.8274, 52.9918, 127.0670



70.8404, 52.9918, 184.5877



84.7467, 52.9918, 19.7034

Rectangle

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



34.2755, 52.9918, 8.4219



23.6743, 52.9918, 45.8524



70.8404, 52.9918, 184.5877



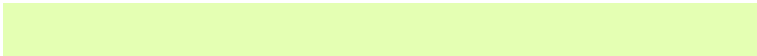
92.0186, 52.9918, 71.4284

Sweetspot

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



34.2767, 52.9941, 8.4230



75.8598, 91.2581, 55.9995



29.9289, 19.1206, 2.1139



15.7597, 19.3127, 10.8002



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.



34.2767, 52.9941, 8.4230



51.3180, 79.5404, 12.6481



24.3904, 47.8975, 7.9604



13.0287, 14.2910, 13.2325



21.0501, 32.4281, 5.1498



1.3578, 2.0014, 0.3147

Inverse Universe

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



14.9151, 6.3020, 63.3842



22.2474, 9.3838, 95.2464



31.0807, 14.6356, 64.1407



12.1511, 12.2193, 15.6556



9.2101, 3.9005, 38.7206



0.6439, 0.2808, 2.3396

Previews

White Background



This preview shows how the XYZ color 34.2755, 52.9918, 8.4219 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 34.2755, 52.9918, 8.4219 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 34.2755, 52.9918, 8.4219

Background



This preview shows how black text looks on a background with the XYZ color 34.2755, 52.9918, 8.4219.



This preview shows how white text looks on a background with the XYZ color 34.2755, 52.9918,

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

34.2755, 52.9918, 8.4219

Protanopia

47.1685, 52.2982, 7.6085

Deuteranopia

53.4038, 52.3168, 9.3813



Tritanopia

46.8289, 52.7168, 71.3255

Trichromacy



Original Color

34.2755, 52.9918, 8.4219

Protanomaly

41.3933, 51.9999, 7.8553

Deuteranomaly

44.1583, 51.0519, 8.5039

Tritanomaly

38.7488, 51.1648, 31.1261

Monochromacy



Original Color

34.2755, 52.9918, 8.4219

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

33.2453, 41.9755, 19.9855

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2755, 52.9918, 8.4219 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(138, 213, 0)` looks like.

```
.text, #text, p{  
    color:rgb(138, 213, 0)  
}
```

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(138, 213, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 213, 0) }
```

Border

The CSS property to change the border of an element to XYZ 34.2755, 52.9918, 8.4219 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(138, 213, 0) }
```


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

```
.border{ border-color:rgb(138, 213, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 213, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 213, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 213, 0);  
box-shadow:4px 4px 4px 4px rgb(138, 213,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2755, 52.9918, 8.4219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 213, 0) }
```

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

```
.background{ background-color: rgb(138,  
213, 0) }
```

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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