

Converting Colors

XYZ(31.9348, 42.1875, 8.0364)

Have a look what the booklet for
XYZ(31.9348, 42.1875, 8.0364)
contains.

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Color

**XYZ(31.9504, 42.1902,
8.0497)**

Conversions

Conversions Part 1

Format	Color
Hex	9FB923
RGB	159, 185, 35
RGB Percent	62%, 73%, 14%
CMY	0.3765, 0.2745, 0.8627
CMYK	0.14, 0.00, 0.81, 0.27
HSL	70°, 68%, 43%
HSV	70°, 81%, 73%
XYZ	31.9504, 42.1902, 8.0497
YIQ	160.1260, 32.6540, -52.1620

Conversions

Conversions Part 2

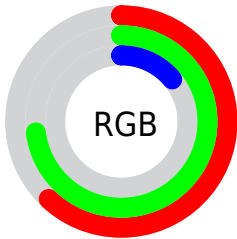
Format	Color
RYB	35, 185, 61
Decimal	10467619
CIELab	71.00, -27.35, 66.06
CIElCh	71, 71.502, 112.491
Yxy	42.1902, 0.3887, 0.5133
Android (android.graphics.Color)	4288657699 (0xFF9FB923)
YUV	160.1260, -61.6871, -0.9875
Hunter-Lab	64.9540, -25.8666, 38.1200

Details

The XYZ color **31.9504, 42.1902, 8.0497** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **11.2840, 5.6980, 46.4066**, and the grayscale version is **33.7382, 35.4952, 38.6543**.

A 20% lighter version of the original color is **62.1361, 78.4885, 22.7014**, and **13.8448, 19.3861, 3.0122** is the 20% darker color. If you saturate the color by 10%, you get **31.1174, 41.7860, 6.9358**, and if you desaturate by 10%, it is **32.9466, 42.6647, 9.9284**.

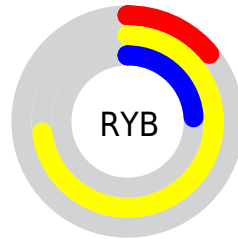
Distribution



Red (62%)

Green (73%)

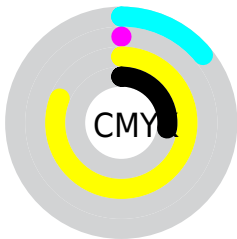
Blue (14%)



Red (14%)

Yellow (73%)

Blue (24%)

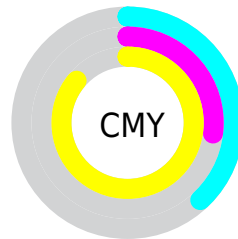


Cyan (14%)

Magenta (0%)

Yellow (81%)

Black (27%)



Cyan (38%)


Magenta (27%)


Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.9504, 42.1902, 8.0497 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 31.9504, 42.1902, 8.0497 by changing the saturation by 10% instead.


 31.9504, 42.1902,
8.0497


 31.9504, 42.1902,
8.0497


302.6426,
355.2708, 186.0705

 21.4790, 29.2503,
4.0385


 62.0990, 78.4874,
22.6036

 13.5890, 19.2702,
1.6465


 82.5070, 102.6134,
33.9834

 7.9152, 11.8657,
0.3237


 106.9578,
131.2370, 48.6565

 4.0921, 6.6523,
0.0000

 135.8168,
164.7424, 67.0415

 1.7543, 3.2456,
0.0000

 169.4495,
203.5141, 89.5568

 0.4899, 1.2613,
0.0000

 208.2211,

 0.0000, 0.1109,

247.9365, 116.6210

0.0000

252.4970,
298.3939, 148.6527

■ 0.0000, 0.0000,
0.0000

■ 31.9504, 42.1902,
8.0497

■ 31.9504, 42.1902,
8.0497

■ 31.1174, 41.7860,
6.9358

■ 32.9466, 42.6647,
9.9284

■ 30.4736, 41.4654,
6.3975

■ 34.1233, 43.2117,
12.6746

■ 35.4983, 43.8400,
16.3779

■ 37.0866, 44.5555,
21.1161

■ 38.9015, 45.3637,
26.9591

■ 40.9552, 46.2694,
33.9707

■ 43.2591, 47.2771,
42.2098

■ 45.8238, 48.3912,
51.7312

■ 48.6590, 49.6155,
62.5867

Harmonies

Analogous

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



43.1733, 42.1902, 6.7397



31.9504, 42.1902, 8.0497



24.5184, 42.1902, 16.4254

Triad

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



31.9504, 42.1902, 8.0497



27.6929, 42.1902, 120.2357



67.4109, 42.1902, 55.0682

Complementary

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



31.9504, 42.1902, 8.0497



11.2840, 5.6980, 46.4066

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.



61.1867, 42.1902, 98.6683



31.9504, 42.1902, 8.0497



37.1772, 42.1902, 146.6925

Square

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



31.9504, 42.1902, 8.0497



22.4219, 42.1902, 75.9284



49.5306, 42.1902, 137.2874



65.2460, 42.1902, 25.1120

Rectangle

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



31.9504, 42.1902, 8.0497



21.9622, 42.1902, 28.8733



49.5306, 42.1902, 137.2874



66.1940, 42.1902, 68.6710

Sweetspot

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



31.9514, 42.1921, 8.0506



72.0785, 82.3059, 56.4369



21.9284, 13.6687, 3.0733



15.2584, 17.6199, 11.2106



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.9514, 42.1921, 8.0506



54.7679, 74.3549, 11.6719



21.4003, 36.7529, 7.5568



9.5933, 10.4225, 9.6130



20.8030, 28.2606, 4.3584



0.7741, 1.0173, 0.1556

Inverse Universe

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



11.2840, 5.6980, 46.4066



16.9572, 7.0459, 82.6709



19.3513, 9.8569, 46.7841



8.6624, 8.7923, 11.3200



6.4139, 2.6177, 31.4203



0.2711, 0.1155, 1.1097

Previews

White Background



This preview shows how the XYZ color 31.9504, 42.1902, 8.0497 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 31.9504, 42.1902, 8.0497 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 31.9504, 42.1902, 8.0497

Background



This preview shows how black text looks on a background with the XYZ color 31.9504, 42.1902, 8.0497.



This preview shows how white text looks on a background with the XYZ color 31.9504, 42.1902,

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

31.9504, 42.1902, 8.0497

Protanopia

37.9024, 41.9785, 7.4715

Deuteranopia

42.8617, 42.0130, 8.4350



Tritanopia

40.8490, 41.9345, 52.3956

Trichromacy



Original Color

31.9504, 42.1902, 8.0497

Protanomaly

35.4863, 41.8957, 7.6552

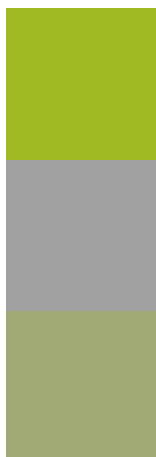
Deuteranomaly

38.1964, 41.5425, 8.1958

Tritanomaly

35.9673, 41.4078, 27.5696

Monochromacy



Original Color

31.9504, 42.1902, 8.0497

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

31.7797, 37.0873, 21.7033

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9504, 42.1902, 8.0497 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(159, 185, 35)` looks like.

```
.text, #text, p{  
    color:rgb(159, 185, 35)  
}
```

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(159, 185, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 185, 35) }
```

Border

The CSS property to change the border of an element to XYZ 31.9504, 42.1902, 8.0497 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(159, 185, 35) }
```


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

```
.border{ border-color:rgb(159, 185, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 185, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 185, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 185, 35);  
box-shadow:4px 4px 4px 4px rgb(159, 185,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9504, 42.1902, 8.0497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 185, 35) }
```

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

```
.background{ background-color: rgb(159,  
185, 35) }
```

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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