

Converting Colors

XYZ(35.3368, 46.7325, 9.7956)

Have a look what the booklet for
XYZ(35.3368, 46.7325, 9.7956)
contains.

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Color

**XYZ(35.3219, 46.7881,
9.8587)**

Conversions

Conversions Part 1

Format	Color
Hex	A5C22F
RGB	165, 194, 47
RGB Percent	65%, 76%, 18%
CMY	0.3529, 0.2392, 0.8157
CMYK	0.15, 0.00, 0.76, 0.24
HSL	72°, 61%, 47%
HSV	72°, 76%, 76%
XYZ	35.3219, 46.7881, 9.8587
YIQ	168.5710, 29.9030, -51.8650

Conversions

Conversions Part 2

Format	Color
RYB	47, 194, 76
Decimal	10863151
CIELab	74.05, -28.69, 65.46
CIELCh	74, 71.467, 113.665
Yxy	46.7881, 0.3841, 0.5087
Android (android.graphics.Color)	4289053231 (0xFFA5C22F)
YUV	168.5710, -59.9345, -3.1318
Hunter-Lab	68.4018, -27.5279, 39.3359

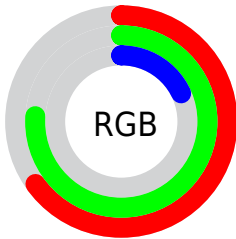
Details

The XYZ color **35.3219, 46.7881, 9.8587** is a dark color, and the websafe version is hex **99CC33**.

The color can be described as middle muted chartreuse. A complement of this color would be **13.7363, 7.4658, 51.7587**, and the grayscale version is **37.7775, 39.7449, 43.2822**.

A 20% lighter version of the original color is **67.4273, 85.6818, 26.0812**, and **15.6848, 22.0074, 3.4212** is the 20% darker color. If you saturate the color by 10%, you get **34.2303, 46.2625, 8.1995**, and if you desaturate by 10%, it is **36.6134, 47.3998, 12.4367**.

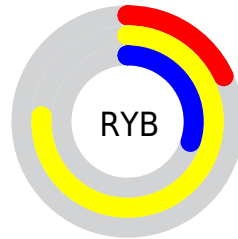
Distribution



Red (65%)

Green (76%)

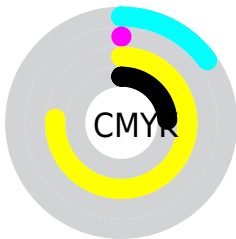
Blue (18%)



Red (18%)

Yellow (76%)

Blue (30%)

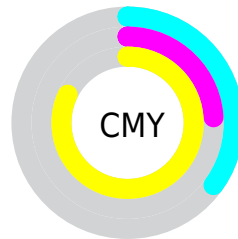


Cyan (15%)

Magenta (0%)

Yellow (76%)

Black (24%)



Cyan (35%)


Magenta (24%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.3219, 46.7881, 9.8587 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 35.3219, 46.7881, 9.8587 by changing the saturation by 10% instead.


 35.3219, 46.7881,
9.8587


 35.3219, 46.7881,
9.8587


317.4701,
373.9681, 200.1086


 24.0786, 32.8682,
5.2010

 67.3149, 85.3972,
26.1330


 15.5170, 22.0255,
2.3049


 88.7953, 110.8552,
38.5867

 9.2717, 13.8756,
0.7339


 114.4188,
140.9280, 54.4762

 4.9773, 8.0342,
0.0000

 144.5507,
176.0001, 74.2199

 2.2686, 4.1168,
0.0000

 179.5565,
216.4557, 98.2365

 0.7785, 1.7391,
0.0000

 219.8014,

 0.0000, 0.4488,

262.6793, 126.9445

0.0000

265.6508,
315.0553, 160.7623

■ 0.0000, 0.0000,
0.0000

■ 35.3219, 46.7881,
9.8587

■ 35.3219, 46.7881,
9.8587

■ 34.2303, 46.2625,
8.1995

■ 36.6134, 47.3998,
12.4367

■ 33.3095, 45.8063,
7.3215

■ 38.1223, 48.0995,
16.0383

■ 32.9498, 45.6261,
7.0701

■ 39.8674, 48.8964,
20.7574

■ 41.8645, 49.7971,
26.6763

■ 44.1282, 50.8071,
33.8700

■ 46.6715, 51.9320,
42.4068

■ 49.5068, 53.1764,
52.3507

■ 52.6456, 54.5452,
63.7611

■ 56.0987, 56.0427,
76.6944

Harmonies

Analogous

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



47.2364, 46.7881, 8.1348



35.3219, 46.7881, 9.8587



27.4730, 46.7881, 19.5972

Triad

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



35.3219, 46.7881, 9.8587



31.4468, 46.7881, 131.2238



73.6239, 46.7881, 59.1072

Complementary

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



35.3219, 46.7881, 9.8587



13.7363, 7.4658, 51.7587

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.



67.3380, 46.7881, 105.0261



35.3219, 46.7881, 9.8587



41.8151, 46.7881, 157.7258

Square

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



35.3219, 46.7881, 9.8587



25.5536, 46.7881, 84.7193



55.0767, 46.7881, 146.3564



70.9755, 46.7881, 27.6031

Rectangle

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



35.3219, 46.7881, 9.8587



24.8184, 46.7881, 33.6099



55.0767, 46.7881, 146.3564



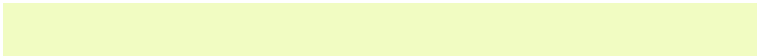
72.4525, 46.7881, 73.4014

Sweetspot

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



35.3230, 46.7902, 9.8597



81.0062, 92.5158, 64.8547



25.2084, 16.5669, 4.5591



17.3862, 20.1032, 13.0434



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.



35.3230, 46.7902, 9.8597



60.8696, 83.2473, 13.6562



24.3767, 41.1472, 9.3474



10.7124, 11.6547, 10.7469



21.7296, 30.0309, 4.6513



0.9898, 1.3238, 0.2033

Inverse Universe

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



13.7363, 7.4658, 51.7587



20.3304, 8.8893, 93.1141



22.8693, 12.1740, 52.1862



9.7098, 9.8415, 12.6727



6.9885, 2.8632, 33.7409



0.3585, 0.1529, 1.4605

Previews

White Background



This preview shows how the XYZ color 35.3219, 46.7881, 9.8587 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 35.3219, 46.7881, 9.8587 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 35.3219, 46.7881, 9.8587

Background



This preview shows how black text looks on a background with the XYZ color 35.3219, 46.7881, 9.8587.



This preview shows how white text looks on a background with the XYZ color 35.3219, 46.7881,

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

35.3219, 46.7881, 9.8587

Protanopia

42.0844, 46.4751, 9.1354

Deuteranopia

47.4860, 46.2944, 10.3038



Tritanopia

45.1966, 46.6912, 58.2599

Trichromacy



Original Color

35.3219, 46.7881, 9.8587

Protanomaly

39.2678, 46.2544, 9.3410

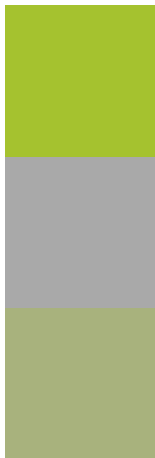
Deuteranomaly

42.1407, 45.8787, 10.0026

Tritanomaly

40.0458, 46.1549, 31.9974

Monochromacy



Original Color

35.3219, 46.7881, 9.8587

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

35.7705, 41.6463, 25.5553

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.3219, 46.7881, 9.8587 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(165, 194, 47)` looks like.

```
.text, #text, p{  
    color:rgb(165, 194, 47)  
}
```

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(165, 194, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 194, 47) }
```

Border

The CSS property to change the border of an element to XYZ 35.3219, 46.7881, 9.8587 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(165, 194, 47) }
```


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

```
.border{ border-color:rgb(165, 194, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 194, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 194, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 194, 47);  
box-shadow:4px 4px 4px 4px rgb(165, 194,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 35.3219, 46.7881, 9.8587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 194, 47) }
```

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

```
.background{ background-color: rgb(165,  
194, 47) }
```

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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