

Converting Colors

XYZ(33.9567, 45.2434, 6.9431)

Have a look what the booklet for
XYZ(33.9567, 45.2434, 6.9431)
contains.

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Color

**XYZ(33.9406, 45.1541,
6.9268)**

Conversions

Conversions Part 1

Format	Color
Hex	A4BF00
RGB	164, 191, 0
RGB Percent	64%, 75%, 0%
CMY	0.3569, 0.2510, 0.9999
CMYK	0.14, 0.00, 1.00, 0.25
HSL	68°, 100%, 37%
HSV	68°, 100%, 75%
XYZ	33.9406, 45.1541, 6.9268
YIQ	161.1530, 45.2190, -65.1250

Conversions

Conversions Part 2

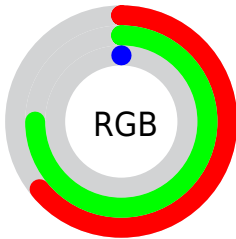
Format	Color
RYB	0, 191, 27
Decimal	10796800
CIELab	72.99, -28.86, 73.60
CIELCh	73, 79.054, 111.414
Yxy	45.1541, 0.3946, 0.5249
Android (android.graphics.Color)	4288986880 (0xFFA4BF00)
YUV	161.1530, -79.4484, 2.4968
Hunter-Lab	67.1968, -27.4354, 40.9260

Details

The XYZ color **33.9406, 45.1541, 6.9268** is a dark color, and the websafe version is hex **99CC00**. A complement of this color would be **9.8575, 3.9957, 49.5447**, and the grayscale version is **34.2931, 36.0790, 39.2900**.

A 20% lighter version of the original color is **65.1774, 82.8036, 20.3321**, and **15.1519, 21.3028, 3.3133** is the 20% darker color. If you saturate the color by 10%, you get **33.9408, 45.1558, 6.9271**, and if you desaturate by 10%, it is **34.6235, 45.4940, 7.5780**.

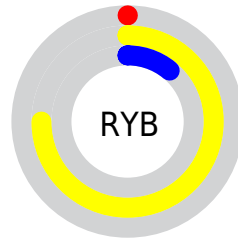
Distribution



Red (64%)

Green (75%)

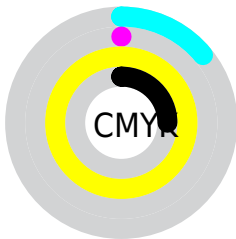
Blue (0%)



Red (0%)

Yellow (75%)

Blue (11%)

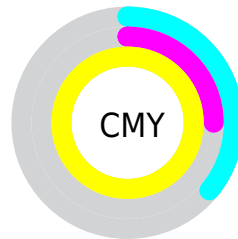


Cyan (14%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (36%)


Magenta (25%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9406, 45.1541, 6.9268 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 33.9406, 45.1541, 6.9268 by changing the saturation by 10% instead.


 33.9406, 45.1541,
6.9268


 33.9406, 45.1541,
6.9268


311.4577,
367.3973, 176.6619


 23.0106, 31.5788,
3.3386


 65.1862, 82.9516,
20.3362

 14.7221, 21.0400,
1.2700


 86.2325, 107.9426,
30.9944

 8.7096, 13.1532,
0.0370


 111.3817,
137.5077, 44.8464

 4.6079, 7.5342,
0.0000

 140.9991,
172.0312, 62.3107

 2.0514, 3.7983,
0.0000

 175.4500,
211.8975, 83.8059

 0.6626, 1.5614,
0.0000

 215.0999,

 0.0000, 0.3314,

257.4910, 109.7504

0.0000

260.3140,
309.1962, 140.5629

■ 0.0000, 0.0000,
0.0000

■ 33.9406, 45.1541,
6.9268

■ 33.9406, 45.1541,
6.9268

■ 33.9408, 45.1558,
6.9271

■ 34.6235, 45.4940,
7.5780

■ 35.4336, 45.8845,
8.8417

■ 36.4141, 46.3445,
10.9396

■ 37.5861, 46.8826,
13.9833

■ 38.9677, 47.5058,
18.0677

■ 40.5749, 48.2207,
23.2759

■ 42.4217, 49.0330,
29.6826

■ 44.5214, 49.9477,
37.3562

■ 46.8860, 50.9698,
46.3599

Harmonies

Analogous

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



47.0024, 45.1541, 5.8039



33.9406, 45.1541, 6.9268



25.3383, 45.1541, 15.3679

Triad

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



33.9406, 45.1541, 6.9268



28.4043, 45.1541, 135.7003



74.8644, 45.1541, 61.4061

Complementary

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



33.9406, 45.1541, 6.9268



9.8575, 3.9957, 49.5447

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.



67.1794, 45.1541, 113.4230



33.9406, 45.1541, 6.9268



39.0766, 45.1541, 169.0869

Square

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



33.9406, 45.1541, 6.9268



22.6513, 45.1541, 82.4560



53.3525, 45.1541, 159.2716



72.6630, 45.1541, 26.3121

Rectangle

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



33.9406, 45.1541, 6.9268



22.3601, 45.1541, 28.7035



53.3525, 45.1541, 159.2716



73.3009, 45.1541, 77.5820

Sweetspot

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



33.9416, 45.1562, 6.9277



75.8021, 87.7385, 52.5488



21.8453, 11.7933, 1.1256



16.3256, 19.1262, 10.4145



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



33.9416, 45.1562, 6.9277



60.6271, 80.7885, 12.3983



21.1613, 38.5677, 6.3296



10.1860, 11.0503, 10.1727



22.3557, 29.7007, 4.5545



0.9126, 1.1824, 0.1801

Inverse Universe

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



9.8575, 3.9957, 49.5447



17.5349, 7.0939, 88.7242



17.2868, 7.8256, 49.8924



9.1387, 9.2884, 11.9834



6.5189, 2.6467, 32.5602



0.2962, 0.1248, 1.2773

Previews

White Background



This preview shows how the XYZ color 33.9406, 45.1541, 6.9268 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 33.9406, 45.1541, 6.9268 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 33.9406, 45.1541, 6.9268

Background



This preview shows how black text looks on a background with the XYZ color 33.9406, 45.1541, 6.9268.

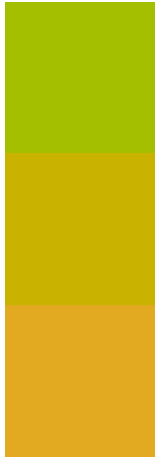


This preview shows how white text looks on a background with the XYZ color 33.9406, 45.1541,

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

33.9406, 45.1541, 6.9268

Protanopia

40.4772, 44.7968, 6.5133

Deuteranopia

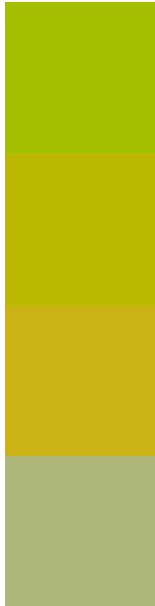
46.0133, 45.0280, 7.7050



Tritanopia

44.0252, 45.2303, 56.2791

Trichromacy



Original Color

33.9406, 45.1541, 6.9268

Protanomaly

37.6725, 44.5583, 6.6151

Deuteranomaly

40.6844, 44.5914, 7.1722

Tritanomaly

37.9019, 44.2708, 24.9598

Monochromacy



Original Color

33.9406, 45.1541, 6.9268

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

32.0511, 38.1457, 18.2440

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9406, 45.1541, 6.9268 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(164, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(164, 191, 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(164, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 191, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.9406, 45.1541, 6.9268 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(164, 191, 0) }
```


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

```
.border{ border-color:rgb(164, 191, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 191, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(164, 191,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9406, 45.1541, 6.9268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 191, 0) }
```

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

```
.background{ background-color: rgb(164,  
191, 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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