

Converting Colors

XYZ(33.5400, 41.3153, 9.2754)

Have a look what the booklet for
XYZ(33.5400, 41.3153, 9.2754)
contains.

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Color

**XYZ(33.6916, 41.5307,
9.2581)**

Conversions

Conversions Part 1

Format	Color
Hex	ABB432
RGB	171, 180, 50
RGB Percent	67%, 71%, 20%
CMY	0.3294, 0.2941, 0.8039
CMYK	0.05, 0.00, 0.72, 0.29
HSL	64°, 57%, 45%
HSV	64°, 72%, 71%
XYZ	33.6916, 41.5307, 9.2581
YIQ	162.4890, 36.3660, -42.3380

Conversions

Conversions Part 2

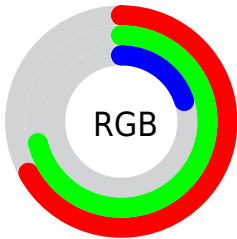
Format	Color
RYB	50, 180, 59
Decimal	11252786
CIELab	70.55, -19.18, 61.27
CIELCh	71, 64.204, 107.385
Yxy	41.5307, 0.3988, 0.4916
Android (android.graphics.Color)	4289442866 (0xFFABB432)
YUV	162.4890, -55.4571, 7.4641
Hunter-Lab	64.4443, -19.4574, 36.5934

Details

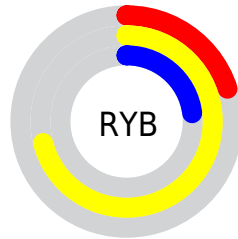
The XYZ color **33.6916, 41.5307, 9.2581** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **11.1837, 6.5072, 43.8490**, and the grayscale version is **34.8138, 36.6268, 39.8866**.

A 20% lighter version of the original color is **64.8584, 77.6688, 24.9378**, and **14.6596, 18.8236, 2.8607** is the 20% darker color. If you saturate the color by 10%, you get **33.1072, 41.2672, 7.5872**, and if you desaturate by 10%, it is **34.4332, 41.8604, 11.7347**.

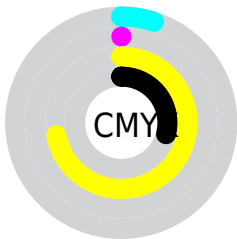
Distribution



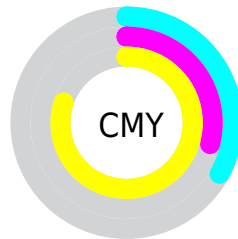
- Red (67%)
- Green (71%)
- Blue (20%)



- Red (20%)
- Yellow (71%)
- Blue (23%)



- Cyan (5%)
- Magenta (0%)
- Yellow (72%)
- Black (29%)



- Cyan (33%)
- Magenta (29%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6916, 41.5307, 9.2581 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 33.6916, 41.5307, 9.2581 by changing the saturation by 10% instead.

■ 33.6916, 41.5307,
9.2581

■ 33.6916, 41.5307,
9.2581

310.3649,
352.5338, 195.5802

■ 22.8185, 28.7340,
4.8108

■ 64.8013, 77.4889,
24.9760

■ 14.5795, 18.8797,
2.0799

■ 85.7686, 101.4191,
37.0837

■ 8.6092, 11.5834,
0.6038

■ 110.8314,
129.8293, 52.5819

■ 4.5422, 6.4607,
0.0000

■ 140.3550,
163.1039, 71.8893

■ 2.0132, 3.1272,
0.0000

■ 174.7048,
201.6273, 95.4242

■ 0.6414, 1.1985,
0.0000

■ 214.2462,

■ 0.0000, 0.0605,

245.7838, 123.6053

0.0000

259.3444,
295.9578, 156.8511

■ 0.0000, 0.0000,
0.0000

■ 33.6916, 41.5307,
9.2581

■ 33.6916, 41.5307,
9.2581

■ 33.1072, 41.2672,
7.5872

■ 34.4332, 41.8604,
11.7347

■ 32.6579, 41.0566,
6.6191

■ 35.3451, 42.2570,
15.0988

■ 32.3720, 40.9184,
6.1919

■ 36.4422, 42.7279,
19.4249

■ 37.7371, 43.2783,
24.7791

■ 39.2412, 43.9127,
31.2214

■ 40.9650, 44.6352,
38.8075

■ 42.9185, 45.4499,
47.5891

■ 45.1108, 46.3605,
57.6148

■ 47.5507, 47.3704,
68.9304

Harmonies

Analogous

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



44.0942, 41.5307, 8.8281



33.6916, 41.5307, 9.2581



26.2941, 41.5307, 16.0944

Triad

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



33.6916, 41.5307, 9.2581



27.2198, 41.5307, 103.2141



62.8906, 41.5307, 59.2030

Complementary

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



33.6916, 41.5307, 9.2581



11.1837, 6.5072, 43.8490

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.



56.4528, 41.5307, 97.3719



33.6916, 41.5307, 9.2581



35.1878, 41.5307, 129.4466

Square

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



33.6916, 41.5307, 9.2581



23.0431, 41.5307, 64.9993



45.8821, 41.5307, 126.9278



62.2935, 41.5307, 29.9251

Rectangle

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



33.6916, 41.5307, 9.2581



23.4902, 41.5307, 26.2834



45.8821, 41.5307, 126.9278



61.4354, 41.5307, 71.5837

Sweetspot

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



33.6926, 41.5326, 9.2590



71.1030, 79.5993, 56.4099



20.9464, 13.0284, 4.4289



15.2034, 17.1351, 11.4806



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



33.6926, 41.5326, 9.2590



59.4900, 74.5720, 12.5203



22.8821, 35.9596, 8.7530



9.1378, 9.8761, 9.0772



22.6157, 28.5689, 4.3224



0.7288, 0.9078, 0.1368

Inverse Universe

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



11.1837, 6.5072, 43.8490



16.4809, 7.4787, 78.8695



17.6443, 9.8377, 44.1514



8.0947, 8.2573, 10.6735



5.8825, 2.3683, 30.2841



0.2030, 0.0838, 0.9537

Previews

White Background



This preview shows how the XYZ color 33.6916, 41.5307, 9.2581 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 33.6916, 41.5307, 9.2581 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 33.6916, 41.5307, 9.2581

Background



This preview shows how black text looks on a background with the XYZ color 33.6916, 41.5307, 9.2581.



This preview shows how white text looks on a background with the XYZ color 33.6916, 41.5307,

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

33.6916, 41.5307, 9.2581

Protanopia

37.4694, 41.4380, 8.8198

Deuteranopia

42.3329, 41.4453, 9.6394



Tritanopia

41.8716, 41.4087, 49.5019

Trichromacy



Original Color

33.6916, 41.5307, 9.2581

Protanomaly

36.0873, 41.5867, 9.0308

Deuteranomaly

38.8600, 41.2952, 9.4126

Tritanomaly

37.5766, 40.7822, 28.0816

Monochromacy



Original Color

33.6916, 41.5307, 9.2581

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.1562, 37.7557, 23.6292

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6916, 41.5307, 9.2581 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(171, 180, 50)` looks like.

```
.text, #text, p{  
    color:rgb(171, 180, 50)  
}
```

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(171, 180, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 180, 50) }
```

Border

The CSS property to change the border of an element to XYZ 33.6916, 41.5307, 9.2581 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(171, 180, 50) }
```


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

```
.border{ border-color:rgb(171, 180, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 180, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 180, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 180, 50);  
box-shadow:4px 4px 4px 4px rgb(171, 180,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6916, 41.5307, 9.2581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 180, 50) }
```

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

```
.background{ background-color: rgb(171,  
180, 50) }
```

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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