

Converting Colors

XYZ(33.1567, 43.0521, 6.6631)

Have a look what the booklet for
XYZ(33.1567, 43.0521, 6.6631)
contains.

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Color

**XYZ(33.3067, 43.2336,
6.7043)**

Conversions

Conversions Part 1

Format	Color
Hex	A6BA04
RGB	166, 186, 4
RGB Percent	65%, 73%, 2%
CMY	0.3490, 0.2706, 0.9842
CMYK	0.11, 0.00, 0.98, 0.27
HSL	67°, 96%, 37%
HSV	67°, 98%, 73%
XYZ	33.3067, 43.2336, 6.7043
YIQ	159.2720, 46.5020, -60.8420

Conversions

Conversions Part 2

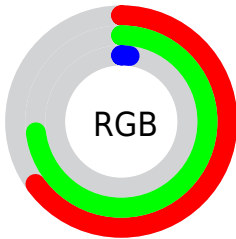
Format	Color
R_YB	4, 186, 24
Decimal	10926596
CIE Lab	71.71, -25.57, 72.25
CIE LCh	72, 76.644, 109.487
Yxy	43.2336, 0.4001, 0.5194
Android (android.graphics.Color)	4289116676 (0xFFA6BA04)
YUV	159.2720, -76.5491, 5.9005
Hunter-Lab	65.7523, -24.6476, 39.9812

Details

The XYZ color **33.3067, 43.2336, 6.7043** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **9.2843, 3.8271, 46.7065**, and the grayscale version is **33.4061, 35.1458, 38.2738**.

A 20% lighter version of the original color is **64.2887, 80.1059, 19.8582**, and **14.6942, 20.0263, 3.0910** is the 20% darker color. If you saturate the color by 10%, you get **33.1932, 43.1791, 6.5849**, and if you desaturate by 10%, it is **33.8686, 43.5099, 7.4039**.

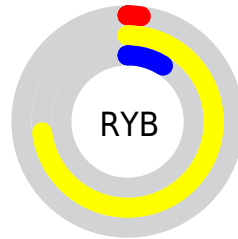
Distribution



Red (65%)

Green (73%)

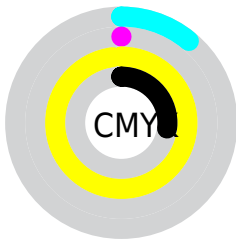
Blue (2%)



Red (2%)

Yellow (73%)

Blue (9%)

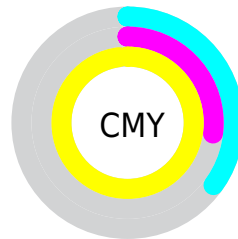


Cyan (11%)

Magenta (0%)

Yellow (98%)

Black (27%)



Cyan (35%)

Magenta (27%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3067, 43.2336, 6.7043 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 33.3067, 43.2336, 6.7043 by changing the saturation by 10% instead.

■ 33.3067, 43.2336,
6.7043

■ 33.3067, 43.2336,
6.7043

308.6701,
359.5716, 174.7202

■ 22.5219, 30.0684,
3.2022

■ 64.2055, 80.0633,
19.8785

■ 14.3596, 19.8905,
1.1988

■ 85.0503, 104.4965,
30.3876

■ 8.4546, 12.3155,
0.0000

■ 109.9790,
133.4547, 44.0696

■ 4.4414, 6.9589,
0.0000

■ 139.3571,
167.3220, 61.3429

■ 1.9548, 3.4364,
0.0000

■ 173.5499,
206.4830, 82.6261

■ 0.6084, 1.3636,
0.0000

■ 212.9227,

■ 0.0000, 0.1897,

251.3220, 108.3376

0.0000

257.8410,
302.2234, 138.8962

■ 0.0000, 0.0000,
0.0000

■ 33.3067, 43.2336,
6.7043

■ 33.3067, 43.2336,
6.7043

■ 33.1932, 43.1791,
6.5849

■ 33.8686, 43.5099,
7.4039

■ 34.5608, 43.8374,
8.7579

■ 35.4134, 44.2300,
10.9208

■ 36.4455, 44.6951,
13.9932

■ 37.6735, 45.2394,
18.0609

■ 39.1119, 45.8687,
23.1999

■ 40.7737, 46.5881,
29.4789

■ 42.6709, 47.4025,
36.9608

■ 44.8146, 48.3163,
45.7038

Harmonies

Analogous

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



45.8230, 43.2336, 5.9446



33.3067, 43.2336, 6.7043



24.8706, 43.2336, 14.2067

Triad

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



33.3067, 43.2336, 6.7043



26.9016, 43.2336, 125.1449



70.8865, 43.2336, 61.3785

Complementary

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



33.3067, 43.2336, 6.7043



9.2843, 3.8271, 46.7065

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.



63.1703, 43.2336, 110.5570



33.3067, 43.2336, 6.7043



36.6988, 43.2336, 158.3344

Square

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



33.3067, 43.2336, 6.7043



21.7484, 43.2336, 75.2133



50.0053, 43.2336, 151.9171



69.4409, 43.2336, 27.0076

Rectangle

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



33.3067, 43.2336, 6.7043



21.8488, 43.2336, 26.1838



50.0053, 43.2336, 151.9171



69.2238, 43.2336, 76.8729

Sweetspot

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



33.3077, 43.2356, 6.7052



73.3778, 84.2134, 51.4159



20.5640, 11.0307, 1.1607



15.8698, 18.4201, 10.2235



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



33.3077, 43.2356, 6.7052



60.0333, 78.1943, 11.9289



20.6275, 36.6987, 6.1118



9.6503, 10.4519, 9.6157



22.3690, 29.0680, 4.4317



0.8165, 1.0391, 0.1575

Inverse Universe

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



9.2843, 3.8271, 46.7065



16.5069, 6.6538, 84.6157



15.7442, 7.1573, 47.0088



8.6103, 8.7655, 11.3175



6.1957, 2.5052, 31.4101



0.2488, 0.1040, 1.1087

Previews

White Background



This preview shows how the XYZ color 33.3067, 43.2336, 6.7043 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 33.3067, 43.2336, 6.7043 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 33.3067, 43.2336, 6.7043

Background



This preview shows how black text looks on a background with the XYZ color 33.3067, 43.2336, 6.7043.



This preview shows how white text looks on a background with the XYZ color 33.3067, 43.2336,

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

33.3067, 43.2336, 6.7043

Protanopia

38.8140, 43.0564, 6.2650

Deuteranopia

43.7023, 42.7435, 7.2433



Tritanopia

42.7356, 43.1783, 53.0955

Trichromacy



Original Color

33.3067, 43.2336, 6.7043

Protanomaly

36.5764, 43.0838, 6.4169

Deuteranomaly

39.1663, 42.3588, 6.8212

Tritanomaly

36.9898, 42.3108, 23.9865

Monochromacy



Original Color

33.3067, 43.2336, 6.7043

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

31.5364, 37.0366, 18.3186

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3067, 43.2336, 6.7043 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(166, 186, 4)` looks like.

```
.text, #text, p{  
    color:rgb(166, 186, 4)  
}
```

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(166, 186, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 186, 4) }
```

Border

The CSS property to change the border of an element to XYZ 33.3067, 43.2336, 6.7043 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(166, 186, 4) }
```


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

```
.border{ border-color:rgb(166, 186, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 186, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 186, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 186, 4);  
box-shadow:4px 4px 4px 4px rgb(166, 186,  
4) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3067, 43.2336, 6.7043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 186, 4) }
```

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

```
.background{ background-color: rgb(166,  
186, 4) }
```

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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