

Converting Colors

XYZ(23.8621, 33.8947, 7.0584)

Have a look what the booklet for
XYZ(23.8621, 33.8947, 7.0584)
contains.

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Color

**XYZ(23.7989, 33.8486,
7.0294)**

Conversions

Conversions Part 1

Format	Color
Hex	80AB25
RGB	128, 171, 37
RGB Percent	50%, 67%, 15%
CMY	0.4980, 0.3294, 0.8549
CMYK	0.25, 0.00, 0.78, 0.33
HSL	79°, 64%, 41%
HSV	79°, 78%, 67%
XYZ	23.7989, 33.8486, 7.0294
YIQ	142.8670, 17.3860, -50.7900

Conversions

Conversions Part 2

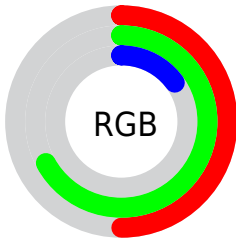
Format	Color
RYB	37, 171, 80
Decimal	8432421
CIELab	64.84, -33.31, 59.15
CIElCh	65, 67.887, 119.388
Yxy	33.8486, 0.3680, 0.5233
Android (android.graphics.Color)	4286622501 (0xFF80AB25)
YUV	142.8670, -52.1924, -13.0384
Hunter-Lab	58.1795, -28.7971, 33.5621

Details

The XYZ color **23.7989, 33.8486, 7.0294** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **11.3220, 5.9699, 39.0857**, and the grayscale version is **26.2531, 27.6203, 30.0785**.

A 20% lighter version of the original color is **49.2120, 65.9188, 20.4858**, and **9.2261, 14.3733, 2.2881** is the 20% darker color. If you saturate the color by 10%, you get **22.7877, 33.3525, 5.8941**, and if you desaturate by 10%, it is **24.9820, 34.4210, 8.8304**.

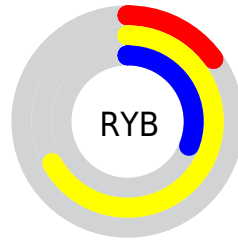
Distribution



Red (50%)

Green (67%)

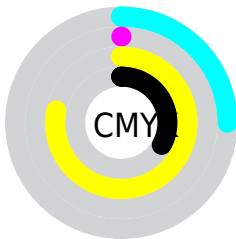
Blue (15%)



Red (15%)

Yellow (67%)

Blue (31%)

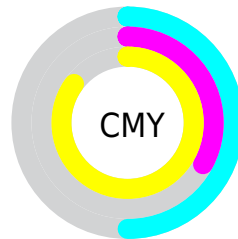


Cyan (25%)

Magenta (0%)

Yellow (78%)

Black (33%)



Cyan (50%)


Magenta (33%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.7989, 33.8486, 7.0294 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 23.7989, 33.8486, 7.0294 by changing the saturation by 10% instead.


 23.7989, 33.8486,
7.0294


 23.7989, 33.8486,
7.0294


264.2616,
319.4564, 177.5480


 15.3084, 22.7773,
3.4018


 49.1589, 65.6982,
20.5462


 9.1239, 14.4292,
1.3033


 66.7592, 87.2452,
31.2725

 4.8798, 8.4198,
0.0645


 88.1267, 113.0530,
45.2020

 2.2110, 4.3647,
0.0000

 113.6269,
143.5059, 62.7534

 0.7485, 1.8796,
0.0000

 143.6252,
178.9883, 84.3451

 0.0000, 0.5361,
0.0000

 178.4868,

 0.0000, 0.0000,

219.8846, 110.3958

0.0000

218.5772,
266.5792, 141.3239

■ 23.7989, 33.8486,
7.0294

■ 23.7989, 33.8486,
7.0294

■ 22.7877, 33.3525,
5.8941

■ 24.9820, 34.4210,
8.8304

■ 21.9183, 32.9170,
5.2790

■ 26.3510, 35.0718,
11.3768

■ 21.7825, 32.8488,
5.1924

■ 27.9207, 35.8082,
14.7395

■ 29.7033, 36.6351,
18.9805

■ 31.7103, 37.5573,
24.1559

■ 33.9519, 38.5789,
30.3169

■ 36.4380, 39.7038,
37.5113

■ 39.1774, 40.9358,
45.7836

■ 42.1787, 42.2783,
55.1757

Harmonies

Analogous

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



32.3733, 33.8486, 4.9750



23.7989, 33.8486, 7.0294



18.5510, 33.8486, 15.6720

Triad

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



23.7989, 33.8486, 7.0294



23.5155, 33.8486, 105.3434



54.8751, 33.8486, 37.4335

Complementary

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



23.7989, 33.8486, 7.0294



11.3220, 5.9699, 39.0857

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.



51.2199, 33.8486, 71.6411



23.7989, 33.8486, 7.0294



31.9717, 33.8486, 121.1865

Square

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



23.7989, 33.8486, 7.0294



18.4122, 33.8486, 70.1006



42.3096, 33.8486, 106.5061



51.4942, 33.8486, 16.2421

Rectangle

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



23.7989, 33.8486, 7.0294



17.0035, 33.8486, 27.8012



42.3096, 33.8486, 106.5061



54.4188, 33.8486, 47.6885

Sweetspot

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



23.7997, 33.8501, 7.0301



58.3172, 67.9580, 47.3860



19.9572, 14.4475, 3.4876



12.7038, 15.0174, 9.7532



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



23.7997, 33.8501, 7.0301



39.6588, 59.1536, 9.7189



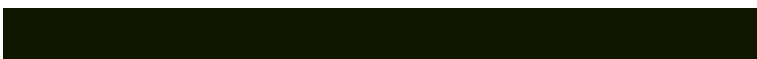
16.8576, 30.2713, 6.7052



8.4090, 9.1994, 8.5458



16.4765, 24.7910, 3.9167



0.5121, 0.7173, 0.1115

Inverse Universe

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



11.3220, 5.9699, 39.0857



16.6411, 7.2776, 69.5295



19.9449, 10.4151, 39.4892



7.8119, 7.8773, 10.0614



6.7737, 2.8519, 29.2380



0.2464, 0.1092, 0.8161

Previews

White Background



This preview shows how the XYZ color 23.7989, 33.8486, 7.0294 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 23.7989, 33.8486, 7.0294 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 23.7989, 33.8486, 7.0294

Background



This preview shows how black text looks on a background with the XYZ color 23.7989, 33.8486, 7.0294.



This preview shows how white text looks on a background with the XYZ color 23.7989, 33.8486,

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

23.7989, 33.8486, 7.0294

Protanopia

30.2360, 33.4539, 6.3025

Deuteranopia

34.3069, 33.5786, 7.4695



Tritanopia

31.1722, 33.6145, 43.8750

Trichromacy



Original Color

23.7989, 33.8486, 7.0294

Protanomaly

27.5071, 33.3271, 6.4964

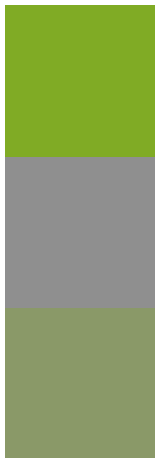
Deuteranomaly

29.5249, 33.0664, 7.2092

Tritanomaly

27.1536, 33.0277, 23.6827

Monochromacy



Original Color

23.7989, 33.8486, 7.0294

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

24.3712, 29.1852, 17.4455

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7989, 33.8486, 7.0294 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(128, 171, 37)` looks like.

```
.text, #text, p{  
    color:rgb(128, 171, 37)  
}
```

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(128, 171, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 171, 37) }
```

Border

The CSS property to change the border of an element to XYZ 23.7989, 33.8486, 7.0294 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(128, 171, 37) }
```


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

```
.border{ border-color:rgb(128, 171, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 171, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 171, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 171, 37);  
box-shadow:4px 4px 4px 4px rgb(128, 171,  
37) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7989, 33.8486, 7.0294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 171, 37) }
```

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

```
.background{ background-color: rgb(128,  
171, 37) }
```

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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