

Converting Colors

XYZ(28.4623, 33.8070, 7.1049)

Have a look what the booklet for
XYZ(28.4623, 33.8070, 7.1049)
contains.

XYZ(28.4248, 33.7873, 7.1213)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(28.4248, 33.7873,
7.1213)**

Conversions

Conversions Part 1

Format	Color
Hex	A3A229
RGB	163, 162, 41
RGB Percent	64%, 64%, 16%
CMY	0.3608, 0.3647, 0.8392
CMYK	0.00, 0.01, 0.75, 0.36
HSL	60°, 60%, 40%
HSV	60°, 75%, 64%
XYZ	28.4248, 33.7873, 7.1213
YIQ	148.5050, 39.4370, -37.4190

Conversions

Conversions Part 2

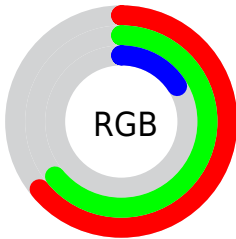
Format	Color
R _Y B	42, 163, 41
Decimal	10723881
CIE Lab	64.79, -13.88, 58.72
CIE LCh	65, 60.337, 103.300
Yxy	33.7873, 0.4100, 0.4873
Android (android.graphics.Color)	4288913961 (0xFFA3A229)
YUV	148.5050, -53.0000, 12.7121
Hunter-Lab	58.1268, -14.4331, 33.4250

Details

The XYZ color **28.4248, 33.7873, 7.1213** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **8.3534, 4.7717, 35.1307**, and the grayscale version is **28.5638, 30.0513, 32.7259**.

A 20% lighter version of the original color is **56.7430, 65.8424, 20.7845**, and **11.8688, 14.5570, 2.1842** is the 20% darker color. If you saturate the color by 10%, you get **28.1742, 33.6509, 5.9134**, and if you desaturate by 10%, it is **28.7948, 33.9741, 8.9509**.

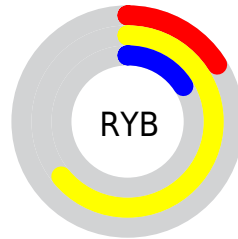
Distribution



Red (64%)

Green (64%)

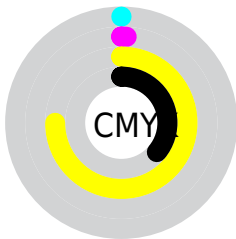
Blue (16%)



Red (16%)

Yellow (64%)

Blue (16%)

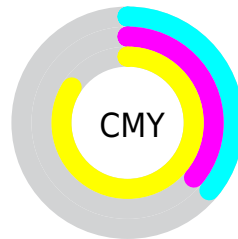


Cyan (0%)

Magenta (1%)

Yellow (75%)

Black (36%)



Cyan (36%)


Magenta (36%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.4248, 33.7873, 7.1213 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 28.4248, 33.7873, 7.1213 by changing the saturation by 10% instead.


 28.4248, 33.7873,
7.1213


 28.4248, 33.7873,
7.1213


286.5346,
319.1826, 178.3368


 18.7882, 22.7302,
3.4585


 56.5659, 65.6028,
20.7338

 11.6204, 14.3944,
1.3332


 75.8010, 87.1300,
31.5206

 6.5561, 8.3955,
0.0888


 98.9665, 112.9160,
45.5192

 3.2299, 4.3491,
0.0000

 126.4275,
143.3453, 63.1480

 1.2765, 1.8707,
0.0000

 158.5495,
178.8022, 84.8256

 0.1655, 0.5307,
0.0000

 195.6977,

 0.0000, 0.0000,

219.6711, 110.9706

0.0000

238.2377,
266.3364, 142.0015

■ 28.4248, 33.7873,
7.1213

■ 28.4248, 33.7873,
7.1213

■ 28.1742, 33.6509,
5.9134

■ 28.7948, 33.9741,
8.9509

■ 28.0245, 33.5536,
5.2408

■ 29.2949, 34.2116,
11.4685

■ 27.9664, 33.5111,
4.9943

■ 29.9370, 34.5060,
14.7341

■ 30.7313, 34.8613,
18.8007

■ 31.6868, 35.2812,
23.7166

■ 32.8121, 35.7689,
29.5260

■ 34.1149, 36.3278,
36.2703

■ 35.6026, 36.9606,
43.9881

■ 37.2822, 37.6703,
52.7161

Harmonies

Analogous

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



37.1531, 33.7873, 7.3698



28.4248, 33.7873, 7.1213



21.9725, 33.7873, 11.8126

Triad

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



28.4248, 33.7873, 7.1213



21.4333, 33.7873, 80.2776



50.9018, 33.7873, 52.3064

Complementary

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



28.4248, 33.7873, 7.1213



8.3534, 4.7717, 35.1307

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.



44.9757, 33.7873, 83.6989



28.4248, 33.7873, 7.1213



27.5521, 33.7873, 104.2006

Square

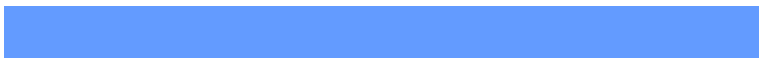
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



28.4248, 33.7873, 7.1213



18.4546, 33.7873, 48.9185



36.1089, 33.7873, 105.6770



51.2510, 33.7873, 26.8505

Rectangle

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



28.4248, 33.7873, 7.1213



19.3907, 33.7873, 19.2184



36.1089, 33.7873, 105.6770



49.4532, 33.7873, 62.7195

Sweetspot

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



28.4256, 33.7889, 7.1220



57.2115, 63.3879, 44.8586



16.3340, 9.5474, 3.2711



12.7404, 14.1891, 9.5130



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



28.4256, 33.7889, 7.1220



50.2580, 60.1409, 9.6770



19.2104, 29.2994, 6.7411



7.6445, 8.2273, 7.5652



21.7371, 26.0481, 3.8821



0.4582, 0.5503, 0.0821

Inverse Universe

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



8.3534, 4.7717, 35.1307



12.4531, 5.4987, 62.4611



12.6560, 6.9381, 35.3221



6.7049, 6.8688, 8.8755



5.1507, 2.0809, 27.0600



0.1095, 0.0463, 0.5690

Previews

White Background



This preview shows how the XYZ color 28.4248, 33.7873, 7.1213 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 28.4248, 33.7873, 7.1213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

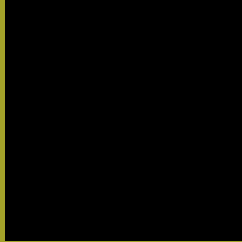
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.4248, 33.7873, 7.1213

Background



This preview shows how black text looks on a background with the XYZ color 28.4248, 33.7873, 7.1213.



This preview shows how white text looks on a background with the XYZ color 28.4248, 33.7873,

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

28.4248, 33.7873, 7.1213

Protanopia

30.3445, 33.4972, 6.8738

Deuteranopia

34.2865, 33.5704, 7.3620



Tritanopia

34.9110, 33.6618, 39.3077

Trichromacy



Original Color

28.4248, 33.7873, 7.1213

Protanomaly

29.5757, 33.6074, 6.9356

Deuteranomaly

32.0368, 33.6150, 7.2824

Tritanomaly

31.4133, 33.2096, 22.2072

Monochromacy



Original Color

28.4248, 33.7873, 7.1213

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

27.6965, 31.1070, 19.2963

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4248, 33.7873, 7.1213 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(163, 162, 41)` looks like.

```
.text, #text, p{  
    color:rgb(163, 162, 41)  
}
```

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(163, 162, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 162, 41) }
```

Border

The CSS property to change the border of an element to XYZ 28.4248, 33.7873, 7.1213 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(163, 162, 41) }
```


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

```
.border{ border-color:rgb(163, 162, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 162, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 162, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 162, 41);  
box-shadow:4px 4px 4px 4px rgb(163, 162,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4248, 33.7873, 7.1213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 162, 41) }
```

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

```
.background{ background-color: rgb(163,  
162, 41) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor