

Converting Colors

XYZ(30.5643, 36.6307, 8.5420)

Have a look what the booklet for
XYZ(30.5643, 36.6307, 8.5420)
contains.

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Color

**XYZ(30.7219, 36.8304,
8.6217)**

Conversions

Conversions Part 1

Format	Color
Hex	A7A933
RGB	167, 169, 51
RGB Percent	65%, 66%, 20%
CMY	0.3451, 0.3372, 0.8000
CMYK	0.01, 0.00, 0.70, 0.34
HSL	61°, 54%, 43%
HSV	61°, 70%, 66%
XYZ	30.7219, 36.8304, 8.6217
YIQ	154.9500, 36.6860, -37.1220

Conversions

Conversions Part 2

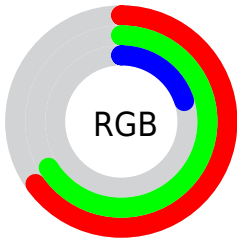
Format	Color
RYB	51, 169, 53
Decimal	10987827
CIELab	67.15, -15.26, 57.48
CIELCh	67, 59.470, 104.870
Yxy	36.8304, 0.4033, 0.4835
Android (android.graphics.Color)	4289177907 (0xFFA7A933)
YUV	154.9500, -51.2473, 10.5679
Hunter-Lab	60.6881, -15.8427, 34.0586

Details

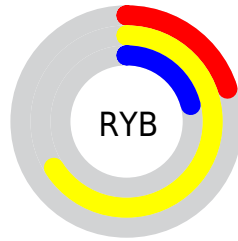
The XYZ color **30.7219, 36.8304, 8.6217** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **9.8145, 5.9898, 38.1772**, and the grayscale version is **31.3428, 32.9750, 35.9098**.

A 20% lighter version of the original color is **60.2568, 70.3388, 23.7655**, and **13.0434, 16.1673, 2.4331** is the 20% darker color. If you saturate the color by 10%, you get **30.3548, 36.6779, 7.0009**, and if you desaturate by 10%, it is **31.2263, 37.0405, 10.9573**.

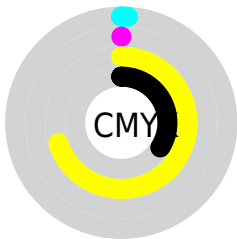
Distribution



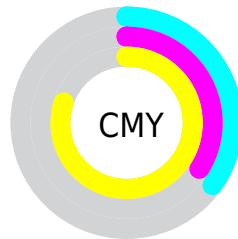
- Red (65%)
- Green (66%)
- Blue (20%)



- Red (20%)
- Yellow (66%)
- Blue (21%)



- Cyan (1%)
- Magenta (0%)
- Yellow (70%)
- Black (34%)



- Cyan (35%)
- Magenta (34%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7219, 36.8304, 8.6217 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 30.7219, 36.8304, 8.6217 by changing the saturation by 10% instead.

■ 30.7219, 36.8304,
8.6217

■ 30.7219, 36.8304,
8.6217

■ 297.1049,
332.5757, 190.6431

■ 20.5380, 25.0762,
4.4018

■ 60.1808, 70.3119,
23.7345

■ 12.8972, 16.1338,
1.8483

■ 80.1865, 92.8079,
35.4645

■ 7.4343, 9.6189,
0.4595

■ 104.1967,
119.6534, 50.5350

■ 3.7839, 5.1470,
0.0000

■ 132.5770,
151.2327, 69.3644

■ 1.5806, 2.3338,
0.0000

■ 165.6926,
187.9301, 92.3714

■ 0.3797, 0.7915,
0.0000

■ 203.9088,

■ 0.0000, 0.0000,

230.1302, 119.9745

0.0000

247.5912,
278.2172, 152.5923

■ 30.7219, 36.8304,
8.6217

■ 30.7219, 36.8304,
8.6217

■ 30.3548, 36.6779,
7.0009

■ 31.2263, 37.0405,
10.9573

■ 30.1069, 36.5718,
6.0109

■ 31.8787, 37.3085,
14.0748

■ 29.9454, 36.5002,
5.4756

■ 32.6914, 37.6406,
18.0362

■ 29.9427, 36.4990,
5.4669

■ 33.6750, 38.0411,
22.8966

■ 34.8390, 38.5138,
28.7066

■ 36.1923, 39.0623,
35.5128

■ 37.7433, 39.6898,
43.3590

■ 39.4997, 40.3994,
52.2861

■ 41.4688, 41.1942,
62.3329

Harmonies

Analogous

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



39.7542, 36.8304, 8.6427



30.7219, 36.8304, 8.6217



24.0953, 36.8304, 14.1124

Triad

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



30.7219, 36.8304, 8.6217



24.0518, 36.8304, 86.6206



54.6663, 36.8304, 54.5889

Complementary

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



30.7219, 36.8304, 8.6217



9.8145, 5.9898, 38.1772

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.



48.7955, 36.8304, 86.8877



30.7219, 36.8304, 8.6217



30.6521, 36.8304, 110.1454

Square

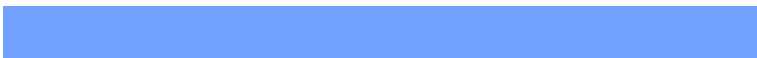
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



30.7219, 36.8304, 8.6217



20.7207, 36.8304, 54.3214



39.6713, 36.8304, 110.2601



54.6938, 36.8304, 28.6096

Rectangle

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



30.7219, 36.8304, 8.6217



21.4811, 36.8304, 22.4228



39.6713, 36.8304, 110.2601



53.2713, 36.8304, 65.2483

Sweetspot

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



30.7228, 36.8321, 8.6225



62.0451, 68.8318, 49.6763



18.2325, 11.2181, 4.3368



13.3997, 14.9522, 10.2099



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



30.7228, 36.8321, 8.6225



54.0839, 65.5666, 11.4021



20.9753, 31.8071, 8.1663



8.1341, 8.7672, 8.0528



22.3197, 27.2035, 4.0744



0.5469, 0.6638, 0.0993

Inverse Universe

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



9.8145, 5.9898, 38.1772



14.2367, 6.7537, 67.7783



15.0242, 8.6756, 38.4210



7.1431, 7.3064, 9.4521



5.3688, 2.1512, 28.1077



0.1342, 0.0542, 0.6840

Previews

White Background



This preview shows how the XYZ color 30.7219, 36.8304, 8.6217 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 30.7219, 36.8304, 8.6217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

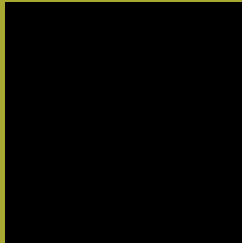
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.7219, 36.8304, 8.6217

Background



This preview shows how black text looks on a background with the XYZ color 30.7219, 36.8304, 8.6217.



This preview shows how white text looks on a background with the XYZ color 30.7219, 36.8304,

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

30.7219, 36.8304, 8.6217

Protanopia

33.3796, 36.8485, 8.3708

Deuteranopia

37.3370, 36.5656, 8.8314



Tritanopia

37.8427, 36.8210, 43.1428

Trichromacy



Original Color

30.7219, 36.8304, 8.6217

Protanomaly

32.3434, 36.8498, 8.4257

Deuteranomaly

34.7225, 36.4843, 8.7021

Tritanomaly

34.2067, 36.3716, 25.2962

Monochromacy



Original Color

30.7219, 36.8304, 8.6217

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.0798, 33.7969, 21.7677

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7219, 36.8304, 8.6217 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(167, 169, 51)` looks like.

```
.text, #text, p{  
    color:rgb(167, 169, 51)  
}
```

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(167, 169, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 169, 51) }
```

Border

The CSS property to change the border of an element to XYZ 30.7219, 36.8304, 8.6217 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(167, 169, 51) }
```


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

```
.border{ border-color:rgb(167, 169, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 169, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 169, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 169, 51);  
box-shadow:4px 4px 4px 4px rgb(167, 169,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7219, 36.8304, 8.6217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 169, 51) }
```

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

```
.background{ background-color: rgb(167,  
169, 51) }
```

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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