

Converting Colors

XYZ(30.2872, 33.7098, 4.1176)

Have a look what the booklet for
XYZ(30.2872, 33.7098, 4.1176)
contains.

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Color

**XYZ(30.5870, 33.9187,
4.9349)**

Conversions

Conversions Part 1

Format	Color
Hex	B29E00
RGB	178, 158, 0
RGB Percent	70%, 62%, 0%
CMY	0.3020, 0.3804, 0.9999
CMYK	0.00, 0.11, 1.00, 0.30
HSL	53°, 100%, 35%
HSV	53°, 100%, 70%
XYZ	30.5870, 33.9187, 4.9349
YIQ	145.9680, 62.6380, -44.8980

Conversions

Conversions Part 2

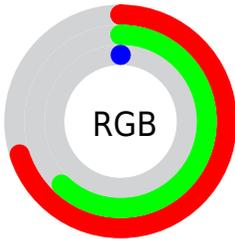
Format	Color
R_{YB}	23, 178, 0
Decimal	11705856
CIE Lab	64.90, -6.06, 68.17
CIE LCh	65, 68.440, 95.080
Yxy	33.9187, 0.4405, 0.4885
Android (android.graphics.Color)	4289895936 (0xFFB29E00)
YUV	145.9680, -71.9622, 28.0921
Hunter-Lab	58.2398, -8.1730, 35.7439

Details

The XYZ color **30.5870, 33.9187, 4.9349** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **8.2864, 3.7151, 42.3996**, and the grayscale version is **27.5778, 29.0140, 31.5963**.

A 20% lighter version of the original color is **60.0734, 65.7721, 16.1857**, and **13.1429, 14.5803, 2.1216** is the 20% darker color. If you saturate the color by 10%, you get **30.5874, 33.9197, 4.9350**, and if you desaturate by 10%, it is **31.0393, 34.6512, 5.6168**.

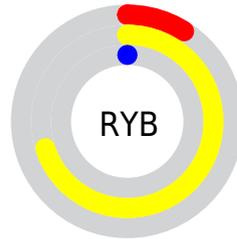
Distribution



Red (70%)

Green (62%)

Blue (0%)



Red (9%)

Yellow (70%)

Blue (0%)

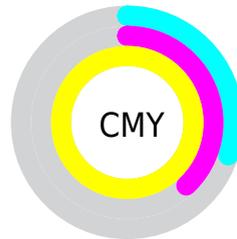


Cyan (0%)

Magenta (11%)

Yellow (100%)

Black (30%)



Cyan (30%)

Magenta (38%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5870, 33.9187, 4.9349 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 30.5870, 33.9187, 4.9349 by changing the saturation by 10% instead.

 30.5870, 33.9187,
4.9349

 30.5870, 33.9187,
4.9349

296.4921,
319.7694, 158.1102

 20.4348, 22.8311,
2.1510

 59.9695, 65.8072,
16.1142

 12.8216, 14.4689,
0.6459

 79.9306, 87.3770,
25.3467

 7.3820, 8.4475,
0.0000

 103.8921,
113.2096, 37.5659

 3.7506, 4.3826,
0.0000

 132.2192,
143.6895, 53.1903

 1.5620, 1.8898,
0.0000

 165.2774,
179.2010, 72.6383

 0.3675, 0.5422,
0.0000

 203.4321,

 0.0000, 0.0000,

220.1286, 96.3286

0.0000

 247.0485,
266.8566, 124.6798

 30.5870, 33.9187,
4.9349

 30.5870, 33.9187,
4.9349

 30.5874, 33.9197,
4.9350

 31.0393, 34.6512,
5.6168

 31.5936, 35.4321,
6.8123

 32.2883, 36.2781,
8.7191

 33.1411, 37.1963,
11.4304

 34.1670, 38.1928,
15.0257

■ 35.3794, 39.2730,
19.5748

■ 36.7901, 40.4417,
25.1404

■ 38.4102, 41.7033,
31.7800

■ 40.2496, 43.0618,
39.5468

Harmonies

Analogous

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



40.9170, 33.9187, 6.3136



30.5870, 33.9187, 4.9349



22.5133, 33.9187, 7.9154

Triad

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



30.5870, 33.9187, 4.9349



19.0656, 33.9187, 77.8157



52.7003, 33.9187, 64.9017

Complementary

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



30.5870, 33.9187, 4.9349



8.2864, 3.7151, 42.3996

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.



44.4253, 33.9187, 101.6785



30.5870, 33.9187, 4.9349



24.8834, 33.9187, 111.4301

Square

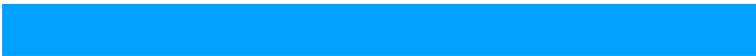
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



30.5870, 33.9187, 4.9349



16.7861, 33.9187, 41.9574



33.9488, 33.9187, 121.8630



55.0846, 33.9187, 32.3243

Rectangle

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



30.5870, 33.9187, 4.9349



19.0443, 33.9187, 13.7338



33.9488, 33.9187, 121.8630



50.4430, 33.9187, 77.6124

Sweetspot

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



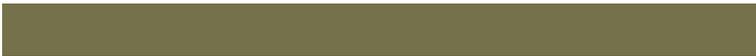
30.5878, 33.9203, 4.9356



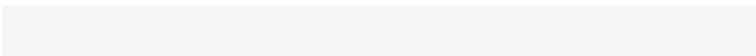
66.5726, 73.2230, 45.0102



18.4935, 9.5186, 1.5614



14.5047, 16.0232, 8.9978



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.



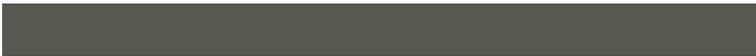
30.5878, 33.9203, 4.9356



55.3618, 61.2979, 8.9138



22.3225, 35.1411, 5.6068



9.1139, 9.7404, 9.0523



21.9146, 24.3277, 3.5407



0.7125, 0.8115, 0.1191

Inverse Universe

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



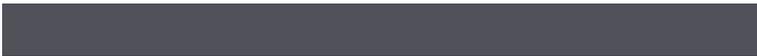
8.2864, 3.7151, 42.3996



14.9435, 6.5709, 76.8619



10.4369, 4.4524, 42.4285



8.1163, 8.3788, 10.6958



5.9531, 2.7067, 30.3457



0.2120, 0.1346, 0.9630

Previews

White Background



This preview shows how the XYZ color 30.5870, 33.9187, 4.9349 looks on a white background.

Color Contrast Check

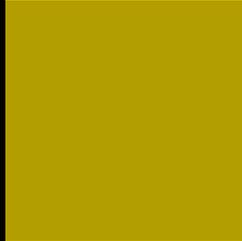
Large Text (above 18pt) WCAG AA × Fail

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 30.5870, 33.9187, 4.9349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

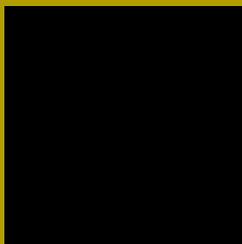
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.5870, 33.9187, 4.9349

Background



This preview shows how black text looks on a background with the XYZ color 30.5870, 33.9187, 4.9349.



This preview shows how white text looks on a background with the XYZ color 30.5870, 33.9187,

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

30.5870, 33.9187, 4.9349

Protanopia

30.5924, 33.9209, 4.9637

Deuteranopia

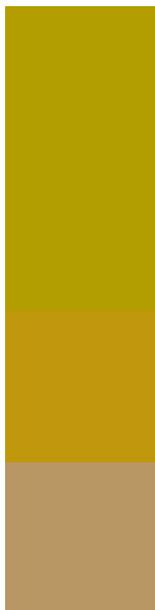
34.4269, 33.6875, 5.3497



Tritanopia

37.0988, 33.9009, 36.9360

Trichromacy



Original Color

30.5870, 33.9187, 4.9349

Protanomaly

30.5924, 33.9209, 4.9637

Deuteranomaly

32.7867, 33.5619, 5.1308

Tritanomaly

33.1827, 33.2631, 16.9834

Monochromacy



Original Color

30.5870, 33.9187, 4.9349

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

26.9827, 29.8721, 14.6997

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5870, 33.9187, 4.9349 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(178, 158, 0)` looks like.

```
.text, #text, p{  
    color:rgb(178, 158, 0)  
}
```

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(178, 158, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 158, 0) }
```

Border

The CSS property to change the border of an element to XYZ 30.5870, 33.9187, 4.9349 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(178, 158, 0) }
```

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

```
.border{ border-color:rgb(178, 158, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 158, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 158, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 158, 0);  
box-shadow:4px 4px 4px 4px rgb(178, 158,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5870, 33.9187, 4.9349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 158, 0) }
```

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

```
.background{ background-color: rgb(178,  
158, 0) }
```

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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