

Converting Colors

XYZ(30.9681, 37.5643, 6.5270)

Have a look what the booklet for
XYZ(30.9681, 37.5643, 6.5270)
contains.

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Color

**XYZ(30.8868, 37.5208,
6.5340)**

Conversions

Conversions Part 1

Format	Color
Hex	A8AB19
RGB	168, 171, 25
RGB Percent	66%, 67%, 10%
CMY	0.3412, 0.3294, 0.9019
CMYK	0.02, 0.00, 0.85, 0.33
HSL	61°, 74%, 38%
HSV	61°, 85%, 67%
XYZ	30.8868, 37.5208, 6.5340
YIQ	153.4590, 45.0780, -46.0420

Conversions

Conversions Part 2

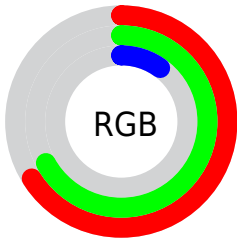
Format	Color
RYB	25, 171, 28
Decimal	11053849
CIELab	67.67, -16.87, 65.95
CIElCh	68, 68.075, 104.352
Yxy	37.5208, 0.4121, 0.5007
Android (android.graphics.Color)	4289243929 (0xFFA8AB19)
YUV	153.4590, -63.3303, 12.7525
Hunter-Lab	61.2542, -17.1881, 36.5535

Details

The XYZ color **30.8868, 37.5208, 6.5340** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **8.1782, 3.8831, 38.8489**, and the grayscale version is **30.7338, 32.3344, 35.2121**.

A 20% lighter version of the original color is **60.2807, 71.2496, 19.5922**, and **13.2789, 16.6384, 2.5117** is the 20% darker color. If you saturate the color by 10%, you get **30.6806, 37.4311, 5.8349**, and if you desaturate by 10%, it is **31.2070, 37.6590, 7.8248**.

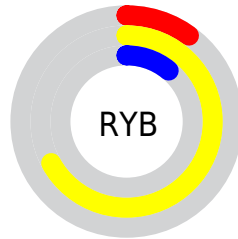
Distribution



Red (66%)

Green (67%)

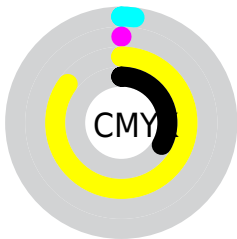
Blue (10%)



Red (10%)

Yellow (67%)

Blue (11%)

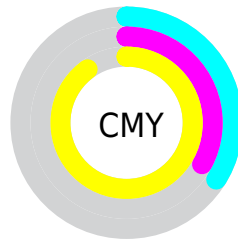


Cyan (2%)

Magenta (0%)

Yellow (85%)

Black (33%)



Cyan (34%)


Magenta (33%)


Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.8868, 37.5208, 6.5340 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 30.8868, 37.5208, 6.5340 by changing the saturation by 10% instead.


 30.8868, 37.5208,
6.5340


 30.8868, 37.5208,
6.5340


297.8527,
335.5598, 173.2147

 20.6641, 25.6110,
3.0984


 60.4389, 71.3731,
19.5261


 12.9897, 16.5328,
1.1451


 80.4989, 94.0843,
29.9196


 7.4984, 9.9020,
0.0000


 104.5688,
121.1648, 43.4696

 3.8248, 5.3340,
0.0000

 133.0138,
152.9989, 60.5946

 1.6035, 2.4445,
0.0000

 166.1993,
189.9711, 81.7130

 0.3947, 0.8487,
0.0000

 204.4908,

 0.0000, 0.0000,

232.4657, 107.2435

0.0000

248.2534,
280.8671, 137.6045

■ 30.8868, 37.5208,
6.5340

■ 30.8868, 37.5208,
6.5340

■ 30.6806, 37.4311,
5.8349

■ 31.2070, 37.6590,
7.8248

■ 30.6027, 37.3959,
5.6052

■ 31.6572, 37.8477,
9.8029

■ 32.2531, 38.0948,
12.5471

■ 33.0075, 38.4053,
16.1246

■ 33.9317, 38.7838,
20.5955

■ 35.0361, 39.2343,
26.0143

■ 36.3303, 39.7608,
32.4312

■ 37.8230, 40.3667,
39.8927

■ 39.5226, 41.0554,
48.4426

Harmonies

Analogous

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



41.3916, 37.5208, 6.6342



30.8868, 37.5208, 6.5340



23.3253, 37.5208, 11.8822

Triad

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



30.8868, 37.5208, 6.5340



23.0829, 37.5208, 96.0931



58.8587, 37.5208, 58.5240

Complementary

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



30.8868, 37.5208, 6.5340



8.1782, 3.8831, 38.8489

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.



51.7255, 37.5208, 97.7375



30.8868, 37.5208, 6.5340



30.4879, 37.5208, 125.6922

Square

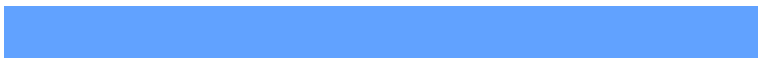
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



30.8868, 37.5208, 6.5340



19.4570, 37.5208, 56.9337



40.9065, 37.5208, 126.4094



59.0238, 37.5208, 28.1282

Rectangle

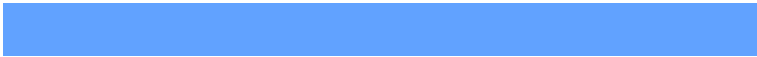
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



30.8868, 37.5208, 6.5340



20.3789, 37.5208, 20.5846



40.9065, 37.5208, 126.4094



57.1420, 37.5208, 71.3503

Sweetspot

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



30.8877, 37.5225, 6.5348



62.5138, 70.1686, 45.4511



17.3733, 9.5329, 1.8445



13.7873, 15.5853, 9.3804



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.



30.8877, 37.5225, 6.5348



54.7810, 66.9581, 10.0369



19.5184, 31.6615, 6.0027



8.6461, 9.3217, 8.5569



23.0743, 28.1923, 4.2255



0.6469, 0.7869, 0.1178

Inverse Universe

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



8.1782, 3.8831, 38.8489



13.2219, 5.2954, 69.3271



13.0032, 6.3705, 39.0747



7.5936, 7.7648, 10.0512



5.5801, 2.2365, 29.1821



0.1601, 0.0647, 0.8120

Previews

White Background



This preview shows how the XYZ color 30.8868, 37.5208, 6.5340 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 30.8868, 37.5208, 6.5340 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 30.8868, 37.5208, 6.5340

Background



This preview shows how black text looks on a background with the XYZ color 30.8868, 37.5208, 6.5340.



This preview shows how white text looks on a background with the XYZ color 30.8868, 37.5208,

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

30.8868, 37.5208, 6.5340

Protanopia

33.8595, 37.4112, 6.2471

Deuteranopia

37.9240, 37.1637, 6.7646



Tritanopia

38.4349, 37.3585, 44.2149

Trichromacy



Original Color

30.8868, 37.5208, 6.5340

Protanomaly

32.5740, 37.2871, 6.3444

Deuteranomaly

34.9845, 36.9261, 6.5799

Tritanomaly

34.1062, 36.6403, 22.7275

Monochromacy



Original Color

30.8868, 37.5208, 6.5340

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

29.2729, 33.4513, 18.5496

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8868, 37.5208, 6.5340 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(168, 171, 25)` looks like.

```
.text, #text, p{  
    color:rgb(168, 171, 25)  
}
```

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(168, 171, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 171, 25) }
```

Border

The CSS property to change the border of an element to XYZ 30.8868, 37.5208, 6.5340 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(168, 171, 25) }
```


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

```
.border{ border-color:rgb(168, 171, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 171, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 171, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 171, 25);  
box-shadow:4px 4px 4px 4px rgb(168, 171,  
25) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8868, 37.5208, 6.5340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 171, 25) }
```

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

```
.background{ background-color: rgb(168,  
171, 25) }
```

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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