

Converting Colors

XYZ(30.4009, 36.6868, 13.9380)

Have a look what the booklet for
XYZ(30.4009, 36.6868, 13.9380)
contains.

XYZ(30.4722, 36.8631, 13.8967)	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(30.4722, 36.8631,
13.8967)**

Conversions

Conversions Part 1

Format	Color
Hex	A0AA54
RGB	160, 170, 84
RGB Percent	63%, 67%, 33%
CMY	0.3725, 0.3333, 0.6706
CMYK	0.06, 0.00, 0.51, 0.33
HSL	67°, 34%, 50%
HSV	67°, 51%, 67%
XYZ	30.4722, 36.8631, 13.8967
YIQ	157.2060, 21.6460, -28.8660

Conversions

Conversions Part 2

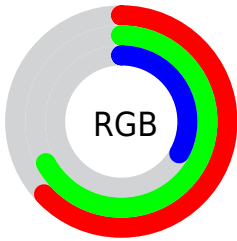
Format	Color
RYB	84, 170, 94
Decimal	10529364
CIELab	67.17, -16.30, 42.71
CIELCh	67, 45.712, 110.890
Yxy	36.8631, 0.3751, 0.4538
Android (android.graphics.Color)	4288719444 (0xFFA0AA54)
YUV	157.2060, -36.0906, 2.4503
Hunter-Lab	60.7150, -16.6640, 28.9300

Details

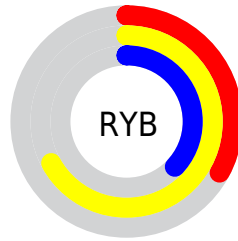
The XYZ color **30.4722, 36.8631, 13.8967** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **15.0433, 11.6234, 39.4830**, and the grayscale version is **32.2921, 33.9738, 36.9974**.

A 20% lighter version of the original color is **59.6880, 70.2269, 33.7018**, and **12.7110, 16.1365, 3.9581** is the 20% darker color. If you saturate the color by 10%, you get **29.4937, 36.4277, 10.7872**, and if you desaturate by 10%, it is **31.6204, 37.3697, 17.8591**.

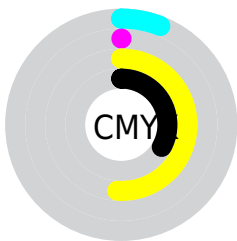
Distribution



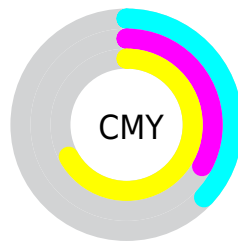
- Red (63%)
- Green (67%)
- Blue (33%)



- Red (33%)
- Yellow (67%)
- Blue (37%)



- Cyan (6%)
- Magenta (0%)
- Yellow (51%)
- Black (33%)



- Cyan (37%)
- Magenta (33%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.4722, 36.8631, 13.8967 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 30.4722, 36.8631, 13.8967 by changing the saturation by 10% instead.

■ 30.4722, 36.8631,
13.8967

■ 30.4722, 36.8631,
13.8967

295.9698,
332.7174, 227.9933

■ 20.3471, 25.1015,
7.9109

■ 59.7897, 70.3622,
33.6201

■ 12.7574, 16.1527,
3.9510

■ 79.7127, 92.8685,
48.1948

■ 7.3375, 9.6323,
1.5985

■ 103.6326,
119.7251, 66.4696

■ 3.7223, 5.1558,
0.2898

■ 131.9144,
151.3165, 88.8630

■ 1.5462, 2.3390,
0.0000

■ 164.9237,
188.0270, 115.7935

■ 0.3570, 0.7942,
0.0000

203.0258,

■ 0.0000, 0.0000,

230.2411, 147.6797

0.0000

246.5861,
278.3431, 184.9401

■ 30.4722, 36.8631,
13.8967

■ 30.4722, 36.8631,
13.8967

■ 29.4937, 36.4277,
10.7872

■ 31.6204, 37.3697,
17.8591

■ 28.6703, 36.0538,
8.4658

■ 32.9463, 37.9469,
22.7285

■ 27.9893, 35.7375,
6.8617

■ 34.4607, 38.6001,
28.5573

■ 27.4348, 35.4725,
5.8912

■ 36.1727, 39.3332,
35.3930

■ 26.9953, 35.2568,
5.3824

■ 38.0907, 40.1493,
43.2803

■ 40.2227, 41.0519,
52.2609

■ 42.5762, 42.0437,
62.3744

■ 45.1585, 43.1278,
73.6584

■ 47.9763, 44.3069,
86.1489

Harmonies

Analogous

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



37.2023, 36.8631, 12.9154



30.4722, 36.8631, 13.8967



25.6327, 36.8631, 20.4674

Triad

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



30.4722, 36.8631, 13.8967



27.2447, 36.8631, 77.8952



50.0067, 36.8631, 46.5265

Complementary

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



30.4722, 36.8631, 13.8967



15.0433, 11.6234, 39.4830

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.



46.4996, 36.8631, 69.5453



30.4722, 36.8631, 13.8967



32.9579, 36.8631, 91.2174

Square

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



30.4722, 36.8631, 13.8967



23.9482, 36.8631, 55.4392



40.0369, 36.8631, 87.7380



49.1095, 36.8631, 27.9476

Rectangle

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



30.4722, 36.8631, 13.8967



23.8378, 36.8631, 28.8375



40.0369, 36.8631, 87.7380



49.2882, 36.8631, 54.0605

Sweetspot

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



30.4731, 36.8648, 13.8975



64.1276, 70.7207, 58.1717



22.0583, 16.9457, 10.4962



14.1601, 15.7107, 12.4123



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.



30.4731, 36.8648, 13.8975



53.2659, 65.9805, 18.8428



23.5019, 33.2710, 13.5712



8.0597, 8.7289, 8.0493



19.8872, 25.9495, 3.9606



0.5072, 0.6434, 0.0975

Inverse Universe

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



15.0433, 11.6234, 39.4830



22.0437, 14.8452, 70.7055



20.5156, 14.4445, 39.7391



7.2099, 7.3408, 9.4553



5.5722, 2.2560, 28.1173



0.1596, 0.0673, 0.6852

Previews

White Background



This preview shows how the XYZ color 30.4722, 36.8631, 13.8967 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 30.4722, 36.8631, 13.8967 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 30.4722, 36.8631, 13.8967

Background



This preview shows how black text looks on a background with the XYZ color 30.4722, 36.8631, 13.8967.



This preview shows how white text looks on a background with the XYZ color 30.4722, 36.8631,

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

30.4722, 36.8631, 13.8967

Protanopia

33.6762, 36.6273, 13.2775

Deuteranopia

37.4693, 36.7609, 14.3532



Tritanopia

36.6912, 36.7048, 44.6861

Trichromacy



Original Color

30.4722, 36.8631, 13.8967

Protanomaly

32.4311, 36.7812, 13.5738

Deuteranomaly

34.4728, 36.4921, 14.2436

Tritanomaly

33.8091, 36.5810, 30.4782

Monochromacy



Original Color

30.4722, 36.8631, 13.8967

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.0501, 34.7215, 26.1845

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4722, 36.8631, 13.8967 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(160, 170, 84)` looks like.

```
.text, #text, p{  
    color:rgb(160, 170, 84)  
}
```

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(160, 170, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 170, 84) }
```

Border

The CSS property to change the border of an element to XYZ 30.4722, 36.8631, 13.8967 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(160, 170, 84) }
```


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

```
.border{ border-color:rgb(160, 170, 84) }
```

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

Here you see how a box with a 4 pixel rgb(160, 170, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 170, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 170, 84);  
box-shadow:4px 4px 4px 4px rgb(160, 170,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4722, 36.8631, 13.8967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 170, 84) }
```

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

```
.background{ background-color: rgb(160,  
170, 84) }
```

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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