

Converting Colors

XYZ(37.5025, 46.6591, 20.8616)

Have a look what the booklet for
XYZ(37.5025, 46.6591, 20.8616)
contains.

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Color

**XYZ(37.4331, 46.6480,
20.9409)**

Conversions

Conversions Part 1

Format	Color
Hex	A8BF6B
RGB	168, 191, 107
RGB Percent	66%, 75%, 42%
CMY	0.3412, 0.2510, 0.5804
CMYK	0.12, 0.00, 0.44, 0.25
HSL	76°, 40%, 58%
HSV	76°, 44%, 75%
XYZ	37.4331, 46.6480, 20.9409
YIQ	174.5470, 13.2560, -31.0000

Conversions

Conversions Part 2

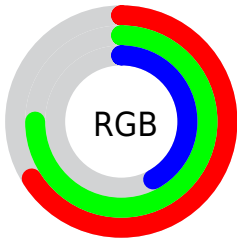
Format	Color
RYB	107, 191, 130
Decimal	11059051
CIELab	73.96, -21.27, 39.67
CIELCh	74, 45.011, 118.207
Yxy	46.6480, 0.3564, 0.4442
Android (android.graphics.Color)	4289249131 (0xFFA8BF6B)
YUV	174.5470, -33.3007, -5.7417
Hunter-Lab	68.2993, -21.6926, 29.6309

Details

The XYZ color **37.4331, 46.6480, 20.9409** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **23.8694, 19.0240, 51.7069**, and the grayscale version is **40.6762, 42.7945, 46.6033**.

A 20% lighter version of the original color is **70.3464, 84.9069, 45.9387**, and **16.7664, 22.0498, 7.2432** is the 20% darker color. If you saturate the color by 10%, you get **35.4463, 45.7288, 16.1695**, and if you desaturate by 10%, it is **39.6890, 47.6832, 26.8854**.

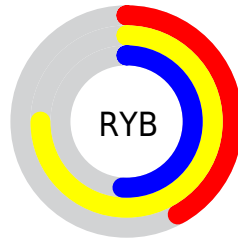
Distribution



Red (66%)

Green (75%)

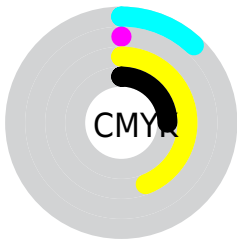
Blue (42%)



Red (42%)

Yellow (75%)

Blue (51%)

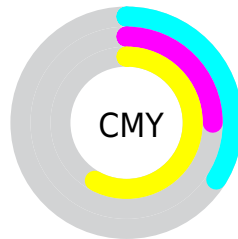


Cyan (12%)

Magenta (0%)

Yellow (44%)

Black (25%)



Cyan (34%)


Magenta (25%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.4331, 46.6480, 20.9409 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 37.4331, 46.6480, 20.9409 by changing the saturation by 10% instead.


 37.4331, 46.6480,
20.9409


 37.4331, 46.6480,
20.9409


326.5049,
373.4077, 269.7350


 25.7182, 32.7575,
12.8900


 70.5479, 85.1880,
45.8687


 16.7445, 21.9407,
7.2230


 92.6785, 110.6062,
63.5826

 10.1467, 13.8133,
3.5214

 119.0118,
140.6358, 85.3546

 5.5593, 7.9910,
1.3666

 149.9130,
175.6611, 111.6033

 2.6171, 4.0892,
0.1155

185.7476,
216.0665, 142.7471

 0.9547, 1.7236,
0.0000

226.8809,

 0.0000, 0.4388,

262.2365, 179.2046

0.0000

273.6782,
314.5555, 221.3944

■ 0.0000, 0.0000,
0.0000

■ 37.4331, 46.6480,
20.9409

■ 37.4331, 46.6480,
20.9409

■ 35.4463, 45.7288,
16.1695

■ 39.6890, 47.6832,
26.8854

■ 33.7098, 44.9132,
12.4904

■ 42.2246, 48.8339,
34.0707

■ 32.2077, 44.1965,
9.8171


■ 45.0537, 50.1074,
42.5630


■ 30.9203, 43.5706,
8.0492


■ 48.1884, 51.5084,
52.4229


■ 29.8241, 43.0262,
7.0650

■ 51.6400, 53.0416,
63.7072

 29.2287, 42.7266,
6.7065

 55.4192, 54.7113,
76.4694

 59.5360, 56.5215,
90.7605

 63.2165, 58.1628,
102.5024

 64.7288, 58.9424,
102.5732

Harmonies

Analogous

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



44.8224, 46.6480, 18.1757



37.4331, 46.6480, 20.9409



32.4669, 46.6480, 30.8760

Triad

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



37.4331, 46.6480, 20.9409



36.6906, 46.6480, 98.4057



61.6288, 46.6480, 52.1879

Complementary

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



37.4331, 46.6480, 20.9409



23.8694, 19.0240, 51.7069

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.



58.7974, 46.6480, 77.8307



37.4331, 46.6480, 20.9409



43.8562, 46.6480, 109.0447

Square

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



37.4331, 46.6480, 20.9409



32.0760, 46.6480, 74.6887



52.0427, 46.6480, 100.5717



59.3825, 46.6480, 32.6278

Rectangle

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



37.4331, 46.6480, 20.9409



30.8764, 46.6480, 42.2801



52.0427, 46.6480, 100.5717



61.2332, 46.6480, 60.3753

Sweetspot

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



37.4342, 46.6501, 20.9419



81.1015, 89.9236, 77.5036



32.0444, 27.9454, 17.6156



17.5480, 19.6293, 16.2172



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



37.4342, 46.6501, 20.9419



63.5278, 81.9179, 29.0642



29.9791, 42.8068, 20.5930



10.0605, 10.9856, 10.1668



19.2883, 28.1194, 4.4110



0.8154, 1.1323, 0.1756

Inverse Universe

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



23.8694, 19.0240, 51.7069



36.0954, 25.9770, 91.3908



31.5452, 22.9810, 52.0661



9.2552, 9.3484, 11.9888



7.1889, 2.9921, 32.5915



0.3470, 0.1509, 1.2797

Previews

White Background



This preview shows how the XYZ color 37.4331, 46.6480, 20.9409 looks on a white background.

Color Contrast Check

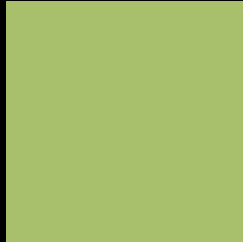
Large Text (above 18pt) WCAG AA × Fail

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 37.4331, 46.6480, 20.9409 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

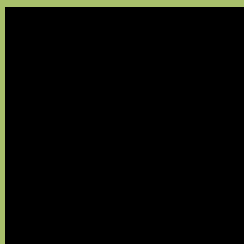
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

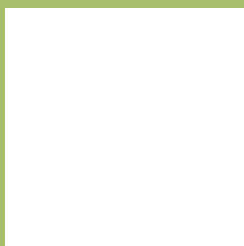
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.4331, 46.6480, 20.9409

Background



This preview shows how black text looks on a background with the XYZ color 37.4331, 46.6480, 20.9409.



This preview shows how white text looks on a background with the XYZ color 37.4331, 46.6480,

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

37.4331, 46.6480, 20.9409

Protanopia

42.7798, 46.5975, 19.8362

Deuteranopia

47.3280, 46.2505, 21.4717



Tritanopia

44.9646, 46.5716, 58.2491

Trichromacy



Original Color

37.4331, 46.6480, 20.9409

Protanomaly

40.6378, 46.4092, 20.1806

Deuteranomaly

43.2231, 46.1858, 21.3885

Tritanomaly

41.6390, 46.4562, 41.4227

Monochromacy



Original Color

37.4331, 46.6480, 20.9409

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

39.0422, 44.0204, 35.2932

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4331, 46.6480, 20.9409 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, 191, 107)` looks like.

```
.text, #text, p{  
    color:rgb(168, 191, 107)  
}
```

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, 191, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 191, 107) }
```

Border

The CSS property to change the border of an element to XYZ 37.4331, 46.6480, 20.9409 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, 191, 107) }
```


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

```
.border{ border-color:rgb(168, 191, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 191, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 191, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 191, 107);  
box-shadow:4px 4px 4px 4px rgb(168, 191,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4331, 46.6480, 20.9409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 191, 107) }
```

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

```
.background{ background-color: rgb(168,  
191, 107) }
```

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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