

Converting Colors

XYZ(36.9931, 46.6600, 20.8611)

Have a look what the booklet for
XYZ(36.9931, 46.6600, 20.8611)
contains.

XYZ(37.0205, 46.7601, 20.9843)	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(37.0205, 46.7601,
20.9843)**

Conversions

Conversions Part 1

Format	Color
Hex	A5C06B
RGB	165, 192, 107
RGB Percent	65%, 75%, 42%
CMY	0.3529, 0.2470, 0.5804
CMYK	0.14, 0.00, 0.44, 0.25
HSL	79°, 40%, 59%
HSV	79°, 44%, 75%
XYZ	37.0205, 46.7601, 20.9843
YIQ	174.2370, 11.1930, -32.1590

Conversions

Conversions Part 2

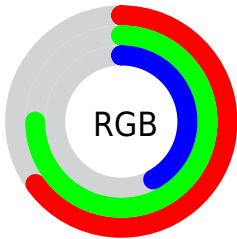
Format	Color
RYB	107, 192, 134
Decimal	10862699
CIELab	74.04, -22.94, 39.71
CIELCh	74, 45.858, 120.011
Yxy	46.7601, 0.3534, 0.4463
Android (android.graphics.Color)	4289052779 (0xFFA5C06B)
YUV	174.2370, -33.1478, -8.1008
Hunter-Lab	68.3814, -23.0305, 29.6725

Details

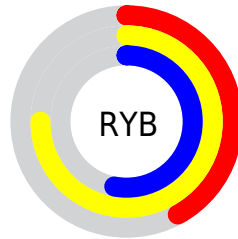
The XYZ color **37.0205, 46.7601, 20.9843** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **24.6054, 19.3907, 52.3177**, and the grayscale version is **40.5161, 42.6261, 46.4198**.

A 20% lighter version of the original color is **69.7314, 85.0450, 45.9978**, and **16.3825, 21.8519, 7.2253** is the 20% darker color. If you saturate the color by 10%, you get **34.8822, 45.7633, 16.1842**, and if you desaturate by 10%, it is **39.4460, 47.8820, 26.9704**.

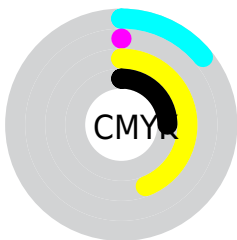
Distribution



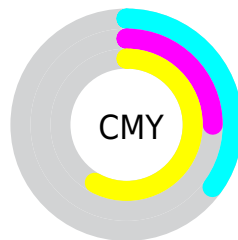
- Red (65%)
- Green (75%)
- Blue (42%)



- Red (42%)
- Yellow (75%)
- Blue (53%)



- Cyan (14%)
- Magenta (0%)
- Yellow (44%)
- Black (25%)



- Cyan (35%)
- Magenta (25%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.0205, 46.7601, 20.9843 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 37.0205, 46.7601, 20.9843 by changing the saturation by 10% instead.

■ 37.0205, 46.7601,
20.9843

■ 37.0205, 46.7601,
20.9843

324.7533,
373.8561, 269.9734

■ 25.3971, 32.8460,
12.9214

■ 69.9179, 85.3554,
45.9419

■ 16.5035, 22.0085,
7.2443

■ 91.9227, 110.8055,
63.6736

■ 9.9742, 13.8632,
3.5346

■ 118.1186,
140.8696, 85.4653

■ 5.4440, 8.0256,
1.3737

■ 148.8711,
175.9323, 111.7357

■ 2.5475, 4.1113,
0.1211

184.5454,
216.3779, 142.9031

■ 0.9193, 1.7360,
0.0000

225.5070,

■ 0.0000, 0.4468,

262.5908, 179.3861

0.0000

272.1211,
314.9554, 221.6034

■ 0.0000, 0.0000,
0.0000

■ 37.0205, 46.7601,
20.9843

■ 37.0205, 46.7601,
20.9843

■ 34.8822, 45.7633,
16.1842

■ 39.4460, 47.8820,
26.9704

■ 33.0117, 44.8789,
12.4882

■ 42.1696, 49.1286,
34.2115

■ 31.3925, 44.1018,
9.8082

■ 45.2059, 50.5075,
42.7748

■ 30.0043, 43.4238,
8.0420


■ 48.5673, 52.0237,
52.7216


■ 28.8226, 42.8350,
7.0655


■ 52.2655, 53.6820,
64.1097

 28.2117, 42.5271,
6.7216

 56.3117, 55.4869,
76.9935

 60.7163, 57.4427,
91.4244

 64.5734, 59.1871,
102.6286

 66.3851, 60.1210,
102.7134

Harmonies

Analogous

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



44.4411, 46.7601, 17.8091



37.0205, 46.7601, 20.9843



32.1472, 46.7601, 31.5267

Triad

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



37.0205, 46.7601, 20.9843



37.0250, 46.7601, 100.8464



62.1342, 46.7601, 50.9053

Complementary

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



37.0205, 46.7601, 20.9843



24.6054, 19.3907, 52.3177

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.



59.5341, 46.7601, 76.9613



37.0205, 46.7601, 20.9843



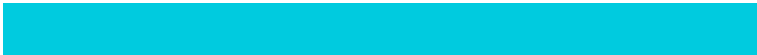
44.4470, 46.7601, 110.6772

Square

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



37.0205, 46.7601, 20.9843



32.1496, 46.7601, 76.9806



52.7991, 46.7601, 100.8330



59.5305, 46.7601, 31.5160

Rectangle

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



37.0205, 46.7601, 20.9843



30.6634, 46.7601, 43.4811



52.7991, 46.7601, 100.8330



61.8361, 46.7601, 59.1486

Sweetspot

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



37.0216, 46.7622, 20.9853



82.5252, 91.7921, 79.2957



32.9073, 29.2966, 17.8310



17.4277, 19.5672, 16.2116



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.



37.0216, 46.7622, 20.9853



63.3547, 82.9883, 29.6488



29.6139, 42.9433, 20.6386



10.5922, 11.5927, 10.7412



19.0661, 28.6578, 4.5266



0.8927, 1.2737, 0.1988

Inverse Universe

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



24.6054, 19.3907, 52.3177



38.0573, 27.1495, 93.5948



32.7727, 23.6011, 52.6999



9.8228, 9.8998, 12.6780



7.7693, 3.2656, 33.7775



0.4085, 0.1786, 1.4628

Previews

White Background



This preview shows how the XYZ color 37.0205, 46.7601, 20.9843 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 37.0205, 46.7601, 20.9843 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 37.0205, 46.7601, 20.9843

Background



This preview shows how black text looks on a background with the XYZ color 37.0205, 46.7601, 20.9843.



This preview shows how white text looks on a background with the XYZ color 37.0205, 46.7601,

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

37.0205, 46.7601, 20.9843

Protanopia

42.7293, 46.5773, 19.5702

Deuteranopia

47.3280, 46.2505, 21.4717



Tritanopia

44.8232, 46.7885, 58.8932

Trichromacy



Original Color

37.0205, 46.7601, 20.9843

Protanomaly

40.5511, 46.6821, 19.9700

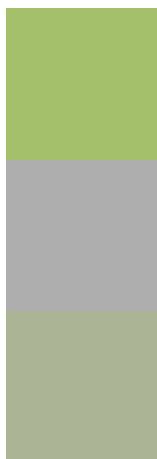
Deuteranomaly

42.9551, 46.0477, 21.3760

Tritanomaly

41.4933, 46.6824, 41.9456

Monochromacy



Original Color

37.0205, 46.7601, 20.9843

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

38.8235, 43.9077, 35.2830

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0205, 46.7601, 20.9843 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(165, 192, 107)` looks like.

```
.text, #text, p{  
    color:rgb(165, 192, 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(165, 192, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 192, 107) }
```

Border

The CSS property to change the border of an element to XYZ 37.0205, 46.7601, 20.9843 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(165, 192, 107) }
```


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

```
.border{ border-color:rgb(165, 192, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 192, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 192, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 192, 107);  
box-shadow:4px 4px 4px 4px rgb(165, 192,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0205, 46.7601, 20.9843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 192, 107) }
```

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

```
.background{ background-color: rgb(165,  
192, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor