

Converting Colors

XYZ(37.5303, 47.0857, 7.1104)

Have a look what the booklet for
XYZ(37.5303, 47.0857, 7.1104)
contains.

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Color

**XYZ(37.4532, 46.9649,
7.0911)**

Conversions

Conversions Part 1

Format	Color
Hex	B4BF00
RGB	180, 191, 0
RGB Percent	71%, 75%, 0%
CMY	0.2941, 0.2510, 0.9999
CMYK	0.06, 0.00, 1.00, 0.25
HSL	63°, 100%, 37%
HSV	63°, 100%, 75%
XYZ	37.4532, 46.9649, 7.0911
YIQ	165.9370, 54.7550, -61.7330

Conversions

Conversions Part 2

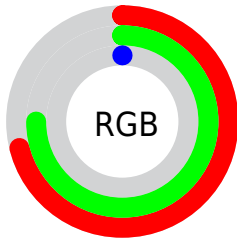
Format	Color
RYB	0, 191, 11
Decimal	11845376
CIELab	74.17, -22.09, 74.99
CIELCh	74, 78.179, 106.409
Yxy	46.9649, 0.4093, 0.5132
Android (android.graphics.Color)	4290035456 (0xFFB4BF00)
YUV	165.9370, -81.8069, 12.3333
Hunter-Lab	68.5309, -22.3762, 41.8367

Details

The XYZ color **37.4532, 46.9649, 7.0911** is a dark color, and the websafe version is hex **CCCC00**. A complement of this color would be **9.5431, 3.8336, 49.5301**, and the grayscale version is **36.5818, 38.4869, 41.9122**.

A 20% lighter version of the original color is **70.6811, 85.6409, 20.5896**, and **17.1145, 22.3145, 3.4051** is the 20% darker color. If you saturate the color by 10%, you get **37.4539, 46.9669, 7.0915**, and if you desaturate by 10%, it is **37.8300, 47.1471, 7.7279**.

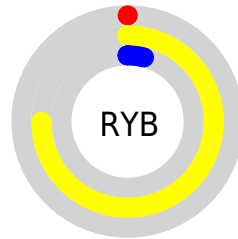
Distribution



Red (71%)

Green (75%)

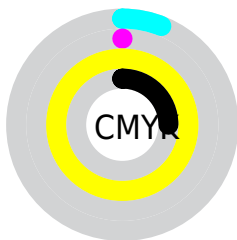
Blue (0%)



Red (0%)

Yellow (75%)

Blue (4%)

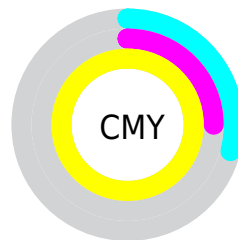


Cyan (6%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (29%)

Magenta (25%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4532, 46.9649, 7.0911 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 37.4532, 46.9649, 7.0911 by changing the saturation by 10% instead.

■ 37.4532, 46.9649,
7.0911

■ 37.4532, 46.9649,
7.0911

326.5901,
374.6744, 178.0781

■ 25.7339, 33.0079,
3.4398

■ 70.5786, 85.6612,
20.6722

■ 16.7563, 22.1325,
1.3234

■ 92.7153, 111.1694,
31.4392

■ 10.1551, 13.9543,
0.0808

■ 119.0553,
141.2966, 45.4151

■ 5.5650, 8.0889,
0.0000

■ 149.9637,
176.4275, 63.0185

■ 2.6205, 4.1519,
0.0000

■ 185.8061,
216.9463, 84.6680

■ 0.9564, 1.7589,
0.0000

■ 226.9477,

■ 0.0000, 0.4613,

263.2375, 110.7820

0.0000

273.7539,
315.6854, 141.7792

■ 0.0000, 0.0000,
0.0000

■ 37.4532, 46.9649,
7.0911

■ 37.4532, 46.9649,
7.0911

■ 37.4539, 46.9669,
7.0915

■ 37.8300, 47.1471,
7.7279

■ 38.3242, 47.3747,
8.9768

■ 38.9787, 47.6667,
11.0592

■ 39.8148, 48.0316,
14.0872

■ 40.8504, 48.4765,
18.1552

■ 42.1014, 49.0078,
23.3465

■ 43.5819, 49.6311,
29.7359

■ 45.3050, 50.3518,
37.3917

■ 47.2826, 51.1744,
46.3772

Harmonies

Analogous

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



51.2727, 46.9649, 6.8312



37.4532, 46.9649, 7.0911



27.8327, 46.9649, 14.2558

Triad

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



37.4532, 46.9649, 7.0911



28.5221, 46.9649, 129.8363



76.2752, 46.9649, 71.4922

Complementary

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



37.4532, 46.9649, 7.0911



9.5431, 3.8336, 49.5301

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.



67.1298, 46.9649, 124.9066



37.4532, 46.9649, 7.0911



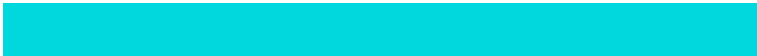
38.6032, 46.9649, 168.7504

Square

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



37.4532, 46.9649, 7.0911



23.4637, 46.9649, 76.1733



52.6891, 46.9649, 166.5830



75.7862, 46.9649, 32.2925

Rectangle

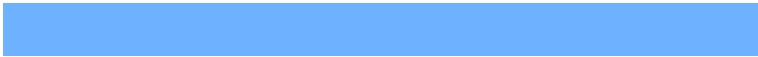
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.4532, 46.9649, 7.0911



24.2234, 46.9649, 26.0590



52.6891, 46.9649, 166.5830



74.1556, 46.9649, 88.6420

Sweetspot

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



37.4543, 46.9671, 7.0921



77.9124, 88.8264, 52.6476



21.5911, 11.2848, 1.0408



16.8509, 19.3970, 10.4391



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.



37.4543, 46.9671, 7.0921



67.0036, 84.0757, 12.6968



22.4664, 39.2405, 6.3906



10.2665, 11.0918, 10.1765



24.6364, 30.8764, 4.6613



0.9817, 1.2180, 0.1834

Inverse Universe

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



9.5431, 3.8336, 49.5301



17.0276, 6.8324, 88.7005



15.2377, 6.7692, 49.7966



9.0660, 9.2509, 11.9800



6.2942, 2.5309, 32.5497



0.2642, 0.1082, 1.2758

Previews

White Background



This preview shows how the XYZ color 37.4532, 46.9649, 7.0911 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 37.4532, 46.9649, 7.0911 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 37.4532, 46.9649, 7.0911

Background



This preview shows how black text looks on a background with the XYZ color 37.4532, 46.9649, 7.0911.



This preview shows how white text looks on a background with the XYZ color 37.4532, 46.9649,

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

37.4532, 46.9649, 7.0911

Protanopia

42.3871, 46.9888, 6.8357

Deuteranopia

47.8240, 46.8091, 7.8108



Tritanopia

47.3167, 46.9398, 55.8567

Trichromacy



Original Color

37.4532, 46.9649, 7.0911

Protanomaly

40.5849, 46.9881, 6.9306

Deuteranomaly

43.5989, 46.6901, 7.3760

Tritanomaly

41.1854, 45.9635, 25.1135

Monochromacy



Original Color

37.4532, 46.9649, 7.0911

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

34.7261, 40.3585, 19.5954

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4532, 46.9649, 7.0911 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(180, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(180, 191, 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(180, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 191, 0) }
```

Border

The CSS property to change the border of an element to XYZ 37.4532, 46.9649, 7.0911 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(180, 191, 0) }
```


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

```
.border{ border-color:rgb(180, 191, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 191, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(180, 191,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4532, 46.9649, 7.0911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 191, 0) }
```

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

```
.background{ background-color: rgb(180,  
191, 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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