

Converting Colors

XYZ(10.4047, 15.5137, 2.4461)

Have a look what the booklet for
XYZ(10.4047, 15.5137, 2.4461)
contains.

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Color

**XYZ(10.4047, 15.5137,
2.4461)**

Conversions

Conversions Part 1

Format	Color
Hex	537900
RGB	83, 121, 0
RGB Percent	33%, 47%, 0%
CMY	0.6745, 0.5255, 1.0000
CMYK	0.31, 0.00, 1.00, 0.53
HSL	79°, 100%, 24%
HSV	79°, 100%, 47%
XYZ	10.4047, 15.5137, 2.4461
YIQ	95.8440, 16.1930, -45.6870

Conversions

Conversions Part 2

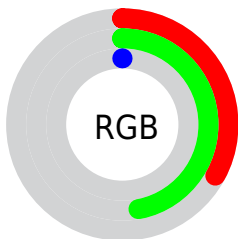
Format	Color
RYB	0, 121, 38
Decimal	5470464
CIELab	46.33, -29.48, 51.03
CIELCh	46, 58.934, 120.013
Yxy	15.5137, 0.3668, 0.5469
Android (android.graphics.Color)	4283660544 (0xFF537900)
YUV	95.8440, -47.2511, -11.2642
Hunter-Lab	39.3874, -21.7749, 23.8891

Details

The XYZ color **10.4047, 15.5137, 2.4461** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **4.2512, 1.7930, 18.2120**, and the grayscale version is **11.1892, 11.7719, 12.8196**.

A 20% lighter version of the original color is **26.3498, 35.9494, 10.2528**, and **2.8824, 4.9260, 0.7989** is the 20% darker color. If you saturate the color by 10%, you get **10.4048, 15.5142, 2.4462**, and if you desaturate by 10%, it is **10.8166, 15.7188, 2.8153**.

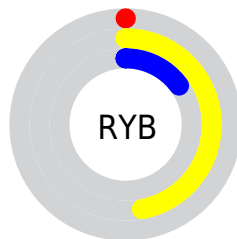
Distribution



Red (33%)

Green (47%)

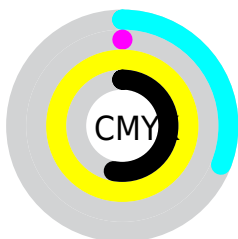
Blue (0%)



Red (0%)

Yellow (47%)

Blue (15%)

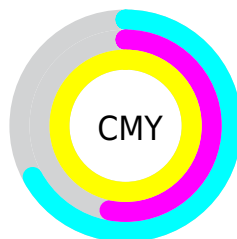


Cyan (31%)

Magenta (0%)

Yellow (100%)

Black (53%)



Cyan (67%)

Magenta (53%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.4047, 15.5137, 2.4461 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 10.4047, 15.5137, 2.4461 by changing the saturation by 10% instead.

■ 10.4047, 15.5137,
2.4461

■ 10.4047, 15.5137,
2.4461

187.5305,
226.4548, 128.9590

■ 5.7324, 9.1807,
0.8114

■ 26.1968, 35.7519,
10.2280

■ 2.7222, 4.8592,
0.0000

■ 38.0473, 50.4258,
17.2202

■ 1.0086, 2.1649,
0.0000

■ 53.0213, 68.6489,
26.8380

■ 0.0000, 0.7008,
0.0000

■ 71.4841, 90.8055,
39.4998


■ 0.0000, 0.0000,
0.0000


■ 93.8010, 117.2800,
55.6243


■ 120.3375,


148.4568, 75.6300


 151.4589,
184.7202, 99.9354


 10.4047, 15.5137,
2.4461


 10.4047, 15.5137,
2.4461


 10.4048, 15.5142,
2.4462

 10.8166, 15.7188,
2.8153

 11.2799, 15.9461,
3.3590

 11.8183, 16.2056,
4.1991

 12.4386, 16.5001,
5.3701

 13.1467, 16.8320,
6.9020

■ 13.9479, 17.2034,
8.8213

■ 14.8471, 17.6163,
11.1520

■ 15.8487, 18.0725,
13.9161

■ 16.9569, 18.5737,
17.1343

Harmonies

Analogous

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



14.7432, 15.5137, 1.5557



10.4047, 15.5137, 2.4461



7.8364, 15.5137, 6.4612

Triad

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



10.4047, 15.5137, 2.4461



10.4077, 15.5137, 54.2057



26.7332, 15.5137, 16.8856

Complementary

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



10.4047, 15.5137, 2.4461



4.2512, 1.7930, 18.2120

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.



24.8480, 15.5137, 34.9368



10.4047, 15.5137, 2.4461



14.7475, 15.5137, 62.7087

Square

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



10.4047, 15.5137, 2.4461



7.8378, 15.5137, 34.9541



20.1510, 15.5137, 54.1923



24.8449, 15.5137, 6.4556

Rectangle

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



10.4047, 15.5137, 2.4461



7.1046, 15.5137, 12.5159



20.1510, 15.5137, 54.1923



26.5152, 15.5137, 22.1844

Sweetspot

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



10.4051, 15.5144, 2.4464



26.4579, 31.4861, 19.6268



8.5258, 5.3456, 0.5827



5.9220, 7.1409, 4.1512



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



10.4051, 15.5144, 2.4464



18.4824, 27.7039, 4.3733



7.2194, 13.8721, 2.2973



4.1911, 4.5738, 4.2864



11.1380, 16.6191, 2.6208



52.2209, 78.8063, 12.4588

Inverse Universe

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



4.2512, 1.7930, 18.2120



7.4787, 3.1415, 32.6051



8.3603, 3.9114, 18.4043



3.9052, 3.9490, 4.9996



4.5445, 1.9155, 19.5155



20.8907, 8.7316, 93.0541

Previews

White Background



This preview shows how the XYZ color 10.4047, 15.5137, 2.4461 looks on a white 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 × Fail

Black Background



This preview shows how the XYZ color 10.4047, 15.5137, 2.4461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

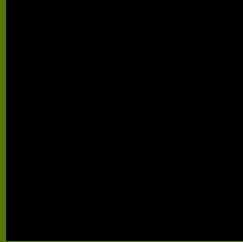
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.4047, 15.5137, 2.4461

Background



This preview shows how black text looks on a background with the XYZ color 10.4047, 15.5137, 2.4461.



This preview shows how white text looks on a background with the XYZ color 10.4047, 15.5137,

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

10.4047, 15.5137, 2.4461

Protanopia

13.8881, 15.4369, 2.2476

Deuteranopia

15.5862, 15.3658, 2.9550



Tritanopia

13.9647, 15.4017, 20.3260

Trichromacy



Original Color

10.4047, 15.5137, 2.4461

Protanomaly

12.3240, 15.2858, 2.3009

Deuteranomaly

13.1334, 15.0379, 2.6623

Tritanomaly

11.7847, 15.0214, 9.2995

Monochromacy



Original Color

10.4047, 15.5137, 2.4461

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.2083, 12.6642, 6.3213

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.4047, 15.5137, 2.4461 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(83, 121, 0)` looks like.

```
.text, #text, p{  
    color:rgb(83, 121, 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(83, 121, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 121, 0) }
```

Border

The CSS property to change the border of an element to XYZ 10.4047, 15.5137, 2.4461 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(83, 121, 0) }
```


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

```
.border{ border-color:rgb(83, 121, 0) }
```

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

Here you see how a box with a 4 pixel rgb(83, 121, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 121, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 121, 0);  
box-shadow:4px 4px 4px 4px rgb(83, 121, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.4047, 15.5137, 2.4461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 121, 0) }
```

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

```
.background{ background-color: rgb(83, 121,  
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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