

Converting Colors

XYZ(29.8648, 42.3141, 6.5934)

Have a look what the booklet for
XYZ(29.8648, 42.3141, 6.5934)
contains.

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Color

**XYZ(29.8747, 42.4149,
6.6123)**

Conversions

Conversions Part 1

Format	Color
Hex	91BD00
RGB	145, 189, 0
RGB Percent	57%, 74%, 0%
CMY	0.4314, 0.2588, 0.9999
CMYK	0.23, 0.00, 1.00, 0.26
HSL	74°, 100%, 37%
HSV	74°, 100%, 74%
XYZ	29.8747, 42.4149, 6.6123
YIQ	154.2980, 34.4450, -68.1070

Conversions

Conversions Part 2

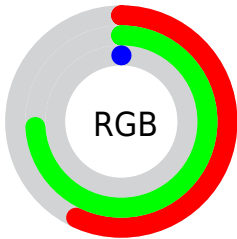
Format	Color
RYB	0, 189, 44
Decimal	9551104
CIELab	71.16, -35.71, 71.66
CIELCh	71, 80.063, 116.493
Yxy	42.4149, 0.3786, 0.5376
Android (android.graphics.Color)	4287741184 (0xFF91BD00)
YUV	154.2980, -76.0689, -8.1543
Hunter-Lab	65.1267, -32.0909, 39.5690

Details

The XYZ color **29.8747, 42.4149, 6.6123** is a dark color, and the websafe version is hex **99CC00**. A complement of this color would be **10.2257, 4.2107, 48.4203**, and the grayscale version is **31.1618, 32.7846, 35.7024**.

A 20% lighter version of the original color is **58.7290, 78.5805, 19.6616**, and **12.6885, 19.4027, 3.0763** is the 20% darker color. If you saturate the color by 10%, you get **29.8748, 42.4164, 6.6126**, and if you desaturate by 10%, it is **30.7831, 42.8711, 7.2650**.

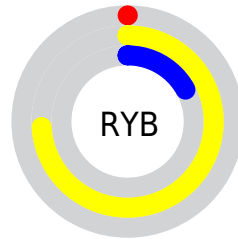
Distribution



Red (57%)

Green (74%)

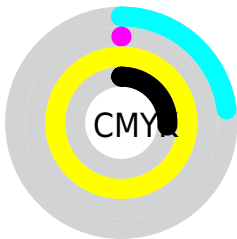
Blue (0%)



Red (0%)

Yellow (74%)

Blue (17%)

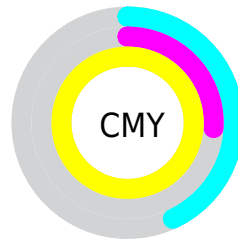


Cyan (23%)

Magenta (0%)

Yellow (100%)

Black (26%)



Cyan (43%)

Magenta (26%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.8747, 42.4149, 6.6123 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 29.8747, 42.4149, 6.6123 by changing the saturation by 10% instead.


 29.8747, 42.4149,
6.6123


 29.8747, 42.4149,
6.6123


293.2403,
356.2000, 173.9090

 19.8911, 29.4263,
3.1461


 58.8520, 78.8272,
19.6883


 12.4237, 19.4036,
1.1697

 78.5763, 103.0196,
30.1352

 7.1072, 11.9622,
0.0000


 102.2783,
131.7155, 43.7461

 3.5761, 6.7180,
0.0000

 130.3233,
165.2992, 60.9395

 1.4653, 3.2864,
0.0000

 163.0767,
204.1551, 82.1339

 0.3020, 1.2830,
0.0000

 200.9037,

 0.0000, 0.1280,

248.6676, 107.7480

0.0000

244.1698,
299.2211, 138.2002

■ 0.0000, 0.0000,
0.0000

■ 29.8747, 42.4149,
6.6123

■ 29.8747, 42.4149,
6.6123

■ 29.8748, 42.4164,
6.6126

■ 30.7831, 42.8711,
7.2650

■ 31.8342, 43.3864,
8.5151

■ 33.0705, 43.9793,
10.5803

■ 34.5131, 44.6583,
13.5695

■ 36.1796, 45.4305,
17.5748

■ 38.0859, 46.3023,
22.6775

■ 40.2461, 47.2793,
28.9502

■ 42.6731, 48.3668,
36.4596

■ 45.3789, 49.5695,
45.2674

Harmonies

Analogous

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



41.9116, 42.4149, 4.7399



29.8747, 42.4149, 6.6123



22.4153, 42.4149, 16.2425

Triad

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



29.8747, 42.4149, 6.6123



27.6934, 42.4149, 139.1269



71.9017, 42.4149, 50.8475

Complementary

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



29.8747, 42.4149, 6.6123



10.2257, 4.2107, 48.4203

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.



65.8512, 42.4149, 100.0949



29.8747, 42.4149, 6.6123



38.7577, 42.4149, 165.9917

Square

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



29.8747, 42.4149, 6.6123



21.3658, 42.4149, 87.5579



52.9397, 42.4149, 148.7611



68.0626, 42.4149, 20.4599

Rectangle

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



29.8747, 42.4149, 6.6123



20.0866, 42.4149, 30.9974



52.9397, 42.4149, 148.7611



70.9286, 42.4149, 65.6592

Sweetspot

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



29.8757, 42.4168, 6.6132



71.8768, 84.5828, 51.2460



21.7792, 12.4029, 1.2467



15.0959, 18.0263, 9.9548



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



29.8757, 42.4168, 6.6132



53.2816, 75.8498, 11.8322



19.6967, 37.1693, 6.1368



10.0992, 11.0055, 10.1686



20.1694, 28.5736, 4.4522



0.8439, 1.1470, 0.1769

Inverse Universe

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



10.2257, 4.2107, 48.4203



18.1383, 7.4502, 86.7083



19.2516, 8.8637, 48.8427



9.2189, 9.3297, 11.9871



6.9364, 2.8619, 32.5797



0.3313, 0.1428, 1.2790

Previews

White Background



This preview shows how the XYZ color 29.8747, 42.4149, 6.6123 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 29.8747, 42.4149, 6.6123 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 29.8747, 42.4149, 6.6123

Background



This preview shows how black text looks on a background with the XYZ color 29.8747, 42.4149, 6.6123.



This preview shows how white text looks on a background with the XYZ color 29.8747, 42.4149,

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

29.8747, 42.4149, 6.6123

Protanopia

37.9010, 42.0079, 6.1107

Deuteranopia

42.9719, 42.0917, 7.4498



Tritanopia

39.7199, 42.4498, 54.8154

Trichromacy



Original Color

29.8747, 42.4149, 6.6123

Protanomaly

34.2516, 41.5873, 6.2219

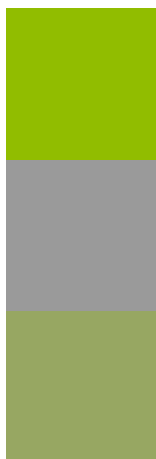
Deuteranomaly

37.0191, 41.5365, 6.8253

Tritanomaly

33.6854, 41.4961, 24.3233

Monochromacy



Original Color

29.8747, 42.4149, 6.6123

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

28.7858, 35.0986, 16.8128

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8747, 42.4149, 6.6123 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(145, 189, 0)` looks like.

```
.text, #text, p{  
    color:rgb(145, 189, 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(145, 189, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 189, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.8747, 42.4149, 6.6123 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(145, 189, 0) }
```


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

```
.border{ border-color:rgb(145, 189, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 189, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 189, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 189, 0);  
box-shadow:4px 4px 4px 4px rgb(145, 189,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8747, 42.4149, 6.6123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 189, 0) }
```

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

```
.background{ background-color: rgb(145,  
189, 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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