

Converting Colors

XYZ(29.6327, 41.1988, 7.0770)

Have a look what the booklet for
XYZ(29.6327, 41.1988, 7.0770)
contains.

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Color

**XYZ(29.7269, 41.3750,
7.1289)**

Conversions

Conversions Part 1

Format	Color
Hex	93BA15
RGB	147, 186, 21
RGB Percent	58%, 73%, 8%
CMY	0.4235, 0.2706, 0.9176
CMYK	0.21, 0.00, 0.89, 0.27
HSL	74°, 80%, 41%
HSV	74°, 89%, 73%
XYZ	29.7269, 41.3750, 7.1289
YIQ	155.5290, 29.7210, -59.5830

Conversions

Conversions Part 2

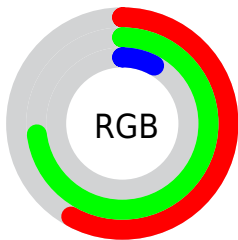
Format	Color
R _Y B	21, 186, 60
Decimal	9681429
CIE Lab	70.44, -33.18, 68.42
CIE LCh	70, 76.043, 115.871
Yxy	41.3750, 0.3800, 0.5289
Android (android.graphics.Color)	4287871509 (0xFF93BA15)
YUV	155.5290, -66.3228, -7.4799
Hunter-Lab	64.3234, -30.0726, 38.4553

Details

The XYZ color **29.7269, 41.3750, 7.1289** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **10.9963, 5.0433, 46.8507**, and the grayscale version is **31.6682, 33.3174, 36.2826**.

A 20% lighter version of the original color is **58.6493, 77.1715, 20.8213**, and **12.7019, 18.9992, 2.9978** is the 20% darker color. If you saturate the color by 10%, you get **28.8320, 40.9292, 6.4498**, and if you desaturate by 10%, it is **30.7725, 41.8876, 8.4363**.

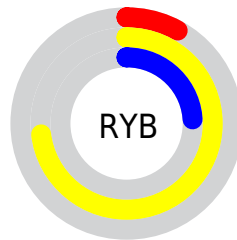
Distribution



Red (58%)

Green (73%)

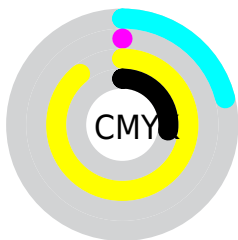
Blue (8%)



Red (8%)

Yellow (73%)

Blue (24%)

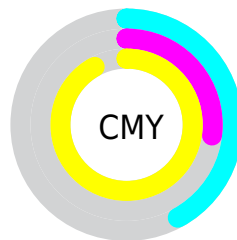


Cyan (21%)

Magenta (0%)

Yellow (89%)

Black (27%)



Cyan (42%)


Magenta (27%)


Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7269, 41.3750, 7.1289 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 29.7269, 41.3750, 7.1289 by changing the saturation by 10% instead.


 29.7269, 41.3750,
7.1289


 29.7269, 41.3750,
7.1289


292.5621,
351.8855, 178.4019

 19.7784, 28.6122,
3.4632


 58.6196, 77.2528,
20.7493

 12.3414, 18.7877,
1.3357


 78.2946, 101.1367,
31.5411


 7.0505, 11.5170,
0.0908


 101.9424,
129.4963, 45.5453

 3.5403, 6.4157,
0.0000

 129.9285,
162.7162, 63.1805

 1.4455, 3.0994,
0.0000

 162.6181,
201.1806, 84.8652

 0.2883, 1.1839,
0.0000

 200.3767,

 0.0000, 0.0485,

245.2741, 111.0180

0.0000

243.5696,
295.3809, 142.0574

■ 0.0000, 0.0000,
0.0000

■ 29.7269, 41.3750,
7.1289

■ 29.7269, 41.3750,
7.1289

■ 28.8320, 40.9292,
6.4498

■ 30.7725, 41.8876,
8.4363

■ 28.7207, 40.8733,
6.3756

■ 31.9995, 42.4747,
10.5434

■ 33.4283, 43.1462,
13.5529

■ 35.0758, 43.9087,
17.5520

■ 36.9570, 44.7683,
22.6172

■ 39.0853, 45.7305,
28.8179

■ 41.4729, 46.8000,
36.2174

■ 44.1314, 47.9817,
44.8743

■ 47.0715, 49.2797,
54.8436

Harmonies

Analogous

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



41.0851, 41.3750, 5.3351



29.7269, 41.3750, 7.1289



22.5715, 41.3750, 16.3788

Triad

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



29.7269, 41.3750, 7.1289



27.3039, 41.3750, 129.6391



68.5630, 41.3750, 50.2006

Complementary

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



29.7269, 41.3750, 7.1289



10.9963, 5.0433, 46.8507

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.



62.8148, 41.3750, 95.8749



29.7269, 41.3750, 7.1289



37.6172, 41.3750, 154.7746

Square

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



29.7269, 41.3750, 7.1289



21.3951, 41.3750, 82.3374



50.7959, 41.3750, 139.9468



65.2139, 41.3750, 21.1621

Rectangle

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



29.7269, 41.3750, 7.1289



20.2919, 41.3750, 30.2261



50.7959, 41.3750, 139.9468



67.6028, 41.3750, 64.0681

Sweetspot

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



29.7278, 41.3769, 7.1298



71.3582, 83.1176, 53.7950



21.9766, 13.6745, 2.1912



15.4072, 18.1657, 10.9249



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.



29.7278, 41.3769, 7.1298



51.8296, 73.9651, 11.5450



19.8760, 36.2980, 6.6687



9.5371, 10.3935, 9.6104



19.3903, 27.5324, 4.2923



0.7347, 0.9969, 0.1537

Inverse Universe

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



10.9963, 5.0433, 46.8507



17.7673, 7.3036, 84.6747



20.2882, 9.8335, 47.2856



8.7146, 8.8192, 11.3224



6.7175, 2.7742, 31.4345



0.2932, 0.1269, 1.1108

Previews

White Background



This preview shows how the XYZ color 29.7269, 41.3750, 7.1289 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 29.7269, 41.3750, 7.1289 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 29.7269, 41.3750, 7.1289

Background



This preview shows how black text looks on a background with the XYZ color 29.7269, 41.3750, 7.1289.



This preview shows how white text looks on a background with the XYZ color 29.7269, 41.3750,

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

29.7269, 41.3750, 7.1289

Protanopia

37.0942, 41.0118, 6.4512

Deuteranopia

41.7823, 40.9398, 7.6195



Tritanopia

39.0175, 41.2615, 52.9215

Trichromacy



Original Color

29.7269, 41.3750, 7.1289

Protanomaly

33.9628, 40.8351, 6.6642

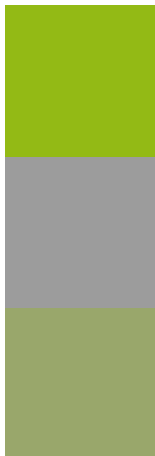
Deuteranomaly

36.3095, 40.3065, 7.2327

Tritanomaly

33.6558, 40.5412, 26.1301

Monochromacy



Original Color

29.7269, 41.3750, 7.1289

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

29.6094, 35.4713, 19.1960

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7269, 41.3750, 7.1289 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(147, 186, 21)` looks like.

```
.text, #text, p{  
    color:rgb(147, 186, 21)  
}
```

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(147, 186, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 186, 21) }
```

Border

The CSS property to change the border of an element to XYZ 29.7269, 41.3750, 7.1289 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(147, 186, 21) }
```


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

```
.border{ border-color:rgb(147, 186, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 186, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 186, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 186, 21);  
box-shadow:4px 4px 4px 4px rgb(147, 186,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7269, 41.3750, 7.1289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 186, 21) }
```

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

```
.background{ background-color: rgb(147,  
186, 21) }
```

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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