

# Converting Colors

XYZ(29.3219, 37.0711, 21.1473)

Have a look what the booklet for  
XYZ(29.3219, 37.0711, 21.1473)  
contains.

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# Color

**XYZ(29.2519, 36.9190,  
21.2071)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8FAD71
RGB	143, 173, 113
RGB Percent	56%, 68%, 44%
CMY	0.4392, 0.3216, 0.5569
CMYK	0.17, 0.00, 0.35, 0.32
HSL	90°, 27%, 56%
HSV	90°, 35%, 68%
XYZ	29.2519, 36.9190, 21.2071
YIQ	157.1900, 1.3800, -25.0200

# Conversions

## Conversions Part 2

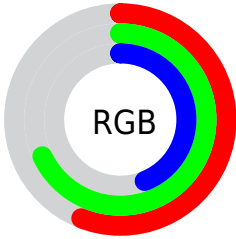
Format	Color
<a href="#">RYB</a>	<a href="#">113, 173, 143</a>
Decimal	<a href="#">9416049</a>
CIELab	<a href="#">67.22, -21.11, 27.54</a>
CIElCh	<a href="#">67, 34.704, 127.469</a>
Yxy	<a href="#">36.9190, 0.3348, 0.4225</a>
Android (android.graphics.Color)	<a href="#">4287606129</a> ( <a href="#">0xFF8FAD71</a> )
YUV	<a href="#">157.1900, -21.7857, -12.4446</a>
Hunter-Lab	<a href="#">60.7610, -20.3973, 21.8390</a>

# Details

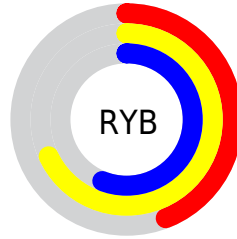
The XYZ color **29.2519, 36.9190, 21.2071** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **24.7771, 20.6680, 42.2206**, and the grayscale version is **32.2288, 33.9072, 36.9249**.

A 20% lighter version of the original color is **58.0995, 70.7610, 46.1934**, and **12.1764, 16.3202, 7.3588** is the 20% darker color. If you saturate the color by 10%, you get **26.9293, 35.8248, 16.4899**, and if you desaturate by 10%, it is **31.8776, 38.1503, 26.9092**.

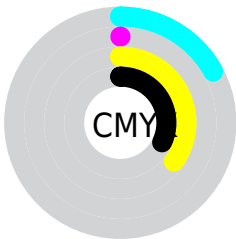
# Distribution



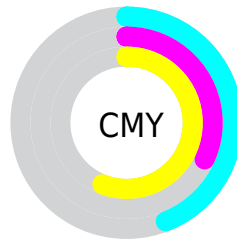
- Red (56%)
- Green (68%)
- Blue (44%)



- Red (44%)
- Yellow (68%)
- Blue (56%)



- Cyan (17%)
- Magenta (0%)
- Yellow (35%)
- Black (32%)




- Cyan (44%)
- Magenta (32%)
- Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2519, 36.9190, 21.2071 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 29.2519, 36.9190, 21.2071 by changing the saturation by 10% instead.





 29.2519, 36.9190,  
21.2071


 29.2519, 36.9190,  
21.2071


290.3744,  
332.9597, 271.1942

 19.4167, 25.1448,  
13.0828


 57.8719, 70.4482,  
46.3172


 12.0776, 16.1850,  
7.3542


 77.3873, 92.9720,  
64.1401

 6.8691, 9.6551,  
3.6028


 100.8603,  
119.8477, 86.0328

 3.4260, 5.1709,  
1.4101

 128.6560,  
151.4598, 112.4140

 1.3828, 2.3479,  
0.1495

161.1400,  
188.1926, 143.7022

 0.2439, 0.7989,  
0.0000

198.6775,

 0.0000, 0.0000,

230.4306, 180.3160

0.0000

241.6338,  
278.5582, 222.6738

■ 29.2519, 36.9190,  
21.2071

■ 29.2519, 36.9190,  
21.2071

■ 26.9293, 35.8248,  
16.4899

■ 31.8776, 38.1503,  
26.9092

■ 24.8937, 34.8572,  
12.6994

■ 34.8159, 39.5190,  
33.6452

■ 23.1319, 34.0119,  
9.7749


■ 38.0791, 41.0315,  
41.4639


■ 21.6279, 33.2821,  
7.6474


■ 41.6782, 42.6926,  
50.4100


■ 20.3639, 32.6603,  
6.2376


■ 45.6234, 44.5066,  
60.5260


 19.3185, 32.1378,  
5.4492

 49.9245, 46.4777,  
71.8519

 18.8278, 31.8907,  
5.1632

 54.5910, 48.6099,  
84.4260

 59.6320, 50.9071,  
98.2848

 62.7699, 52.4585,  
101.4249

# Harmonies

## Analogous

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



33.7830, 36.9190, 17.6581



29.2519, 36.9190, 21.2071



26.4983, 36.9190, 30.0251

# Triad

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



29.2519, 36.9190, 21.2071



31.3305, 36.9190, 73.6099



46.1890, 36.9190, 36.5247

# Complementary

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



29.2519, 36.9190, 21.2071



24.7771, 20.6680, 42.2206

# 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.



45.3641, 36.9190, 52.4438



29.2519, 36.9190, 21.2071



36.4311, 36.9190, 76.6118

# Square

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



29.2519, 36.9190, 21.2071



27.6114, 36.9190, 60.6826



41.6583, 36.9190, 68.0791



43.8109, 36.9190, 24.9365



# Rectangle

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



29.2519, 36.9190, 21.2071



25.8669, 36.9190, 38.9241



41.6583, 36.9190, 68.0791



46.2809, 36.9190, 41.5004

# Sweetspot

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



29.2528, 36.9206, 21.2079



64.9118, 71.9619, 66.3211



30.0381, 29.7227, 19.7772



13.9366, 15.5600, 14.0072



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123



# Same Dimension

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



29.2528, 36.9206, 21.2079



48.9964, 64.5215, 31.0441



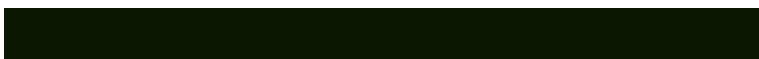
24.7353, 34.5917, 20.9965



8.2717, 9.1286, 8.5394



13.8971, 23.4613, 3.7960



0.4498, 0.6852, 0.1086



# Inverse Universe

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



24.7771, 20.6680, 42.2206



39.7069, 30.7893, 74.6559



30.6830, 23.7126, 42.4970



7.9461, 7.9465, 10.0677



8.4611, 3.7217, 29.3169



0.2985, 0.1361, 0.8185



# Previews

## White Background



This preview shows how the XYZ color 29.2519, 36.9190, 21.2071 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 29.2519, 36.9190, 21.2071 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 29.2519, 36.9190, 21.2071**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.2519, 36.9190, 21.2071.



This preview shows how white text looks on a background with the XYZ color 29.2519, 36.9190,



# 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

29.2519, 36.9190, 21.2071

### Protanopia

33.9890, 36.6456, 19.7499

### Deuteranopia

37.3475, 36.5306, 21.9123



## Tritanopia

34.6279, 36.8969, 47.4162

# Trichromacy



## Original Color

29.2519, 36.9190, 21.2071

## Protanomaly

32.1502, 36.7626, 20.1532

## Deuteranomaly

33.7519, 36.2156, 21.7344

## Tritanomaly

32.2298, 36.7279, 35.9624

# Monochromacy



## Original Color

29.2519, 36.9190, 21.2071

## Achromatopsia

32.0474, 33.7164, 36.7171

## Achromatomaly

30.8538, 34.7929, 30.2888

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.2519, 36.9190, 21.2071 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(143, 173, 113)` looks like.

```
.text, #text, p{  
    color:rgb(143, 173, 113)  
}
```

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(143, 173, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 173, 113) }
```

## Border

The CSS property to change the border of an element to XYZ 29.2519, 36.9190, 21.2071 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(143, 173, 113) }
```



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

```
.border{ border-color:rgb(143, 173, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 173, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 173, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 173, 113);  
box-shadow:4px 4px 4px 4px rgb(143, 173,  
113) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.2519, 36.9190, 21.2071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 173, 113) }
```

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

```
.background{ background-color: rgb(143,  
173, 113) }
```

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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