

Converting Colors

XYZ(29.1763, 36.1263, 16.9919)

Have a look what the booklet for
XYZ(29.1763, 36.1263, 16.9919)
contains.

XYZ(29.1570, 36.1153, 16.9895)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.1570, 36.1153,
16.9895)**

Conversions

Conversions Part 1

Format	Color
Hex	96AA62
RGB	150, 170, 98
RGB Percent	59%, 67%, 38%
CMY	0.4118, 0.3333, 0.6157
CMYK	0.12, 0.00, 0.42, 0.33
HSL	77°, 30%, 53%
HSV	77°, 42%, 67%
XYZ	29.1570, 36.1153, 16.9895
YIQ	155.8120, 11.1920, -26.6320

Conversions

Conversions Part 2

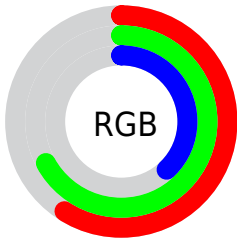
Format	Color
RYB	98, 170, 118
Decimal	9874018
CIELab	66.61, -18.86, 34.76
CIELCh	67, 39.540, 118.480
Yxy	36.1153, 0.3544, 0.4390
Android (android.graphics.Color)	4288064098 (0xFF96AA62)
YUV	155.8120, -28.5013, -5.0971
Hunter-Lab	60.0960, -18.5645, 25.3056

Details

The XYZ color **29.1570, 36.1153, 16.9895** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **19.0960, 15.4902, 40.0157**, and the grayscale version is **31.6364, 33.2840, 36.2462**.

A 20% lighter version of the original color is **57.6071, 69.0316, 39.1424**, and **12.0698, 15.7753, 5.3145** is the 20% darker color. If you saturate the color by 10%, you get **27.5867, 35.3900, 13.1619**, and if you desaturate by 10%, it is **30.9347, 36.9301, 21.7182**.

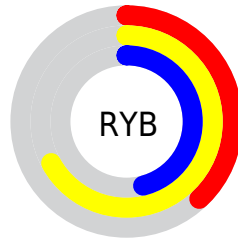
Distribution



Red (59%)

Green (67%)

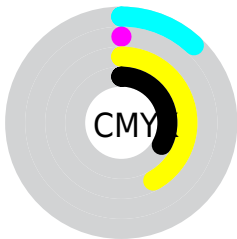
Blue (38%)



Red (38%)

Yellow (67%)

Blue (46%)

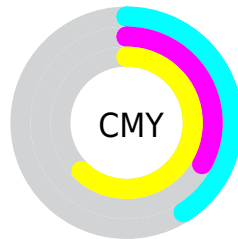


Cyan (12%)

Magenta (0%)

Yellow (42%)

Black (33%)



Cyan (41%)


Magenta (33%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.1570, 36.1153, 16.9895 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 29.1570, 36.1153, 16.9895 by changing the saturation by 10% instead.


 29.1570, 36.1153,
16.9895


 29.1570, 36.1153,
16.9895


289.9359,
329.4642, 247.1538

 19.3445, 24.5233,
10.0651


 57.7223, 69.2100,
39.0981


 12.0249, 15.7222,
5.3360


 77.2057, 91.4814,
55.1195

 6.8330, 9.3278,
2.3836


 100.6436,
118.0815, 75.0102

 3.4033, 4.9556,
0.7775

 128.4012,
149.3945, 99.1889

 1.3704, 2.2212,
0.0000

160.8438,
185.8049, 128.0740

 0.2350, 0.7315,
0.0000

198.3369,

 0.0000, 0.0000,

227.6970, 162.0842

0.0000

241.2458,
275.4553, 201.6379

■ 29.1570, 36.1153,
16.9895

■ 29.1570, 36.1153,
16.9895

■ 27.5867, 35.3900,
13.1619

■ 30.9347, 36.9301,
21.7182

■ 26.2097, 34.7448,
10.1757

■ 32.9273, 37.8337,
27.3980

■ 25.0145, 34.1763,
7.9677

■ 35.1454, 38.8316,
34.0780

■ 23.9866, 33.6786,
6.4647

■ 37.5979, 39.9275,
41.8033

■ 23.1091, 33.2449,
5.5797

■ 40.2933, 41.1247,
50.6162

■ 22.5114, 32.9452,
5.1726

■ 43.2393, 42.4265,
60.5565

■ 46.4438, 43.8359,
71.6624

■ 49.9137, 45.3559,
83.9698

■ 53.6562, 46.9893,
97.5134

Harmonies

Analogous

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



34.6306, 36.1153, 14.8295



29.1570, 36.1153, 16.9895



25.4718, 36.1153, 24.5665

Triad

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



29.1570, 36.1153, 16.9895



28.6885, 36.1153, 74.3706



47.0741, 36.1153, 40.1983

Complementary

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



29.1570, 36.1153, 16.9895



19.0960, 15.4902, 40.0157

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.



45.0269, 36.1153, 59.0503



29.1570, 36.1153, 16.9895



34.0242, 36.1153, 81.9889

Square

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



29.1570, 36.1153, 16.9895



25.2240, 36.1153, 57.0997



40.0736, 36.1153, 75.7067



45.3912, 36.1153, 25.6822

Rectangle

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



29.1570, 36.1153, 16.9895



24.2963, 36.1153, 33.1390



40.0736, 36.1153, 75.7067



46.7952, 36.1153, 46.2331

Sweetspot

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



29.1579, 36.1169, 16.9903



63.3923, 70.2853, 60.6829



25.1681, 22.1982, 14.5140



13.9368, 15.5841, 12.9216



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.



29.1579, 36.1169, 16.9903



50.1652, 64.2615, 24.1450



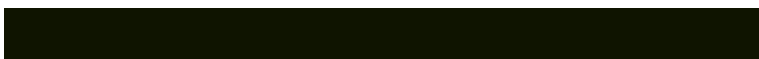
23.6245, 33.2643, 16.7313



7.9406, 8.6675, 8.0438



16.6148, 24.2625, 3.8074



0.4499, 0.6139, 0.0948

Inverse Universe

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



19.0960, 15.4902, 40.0157



29.4410, 21.7283, 71.6442



24.7993, 18.4303, 40.2826



7.3202, 7.3977, 9.4604



6.2554, 2.6082, 28.1492



0.2008, 0.0885, 0.6871

Previews

White Background



This preview shows how the XYZ color 29.1570, 36.1153, 16.9895 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 29.1570, 36.1153, 16.9895 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 29.1570, 36.1153, 16.9895

Background



This preview shows how black text looks on a background with the XYZ color 29.1570, 36.1153, 16.9895.



This preview shows how white text looks on a background with the XYZ color 29.1570, 36.1153,

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

29.1570, 36.1153, 16.9895

Protanopia

33.1174, 36.0140, 16.0324

Deuteranopia

36.4596, 35.6726, 17.5342



Tritanopia

34.8821, 36.0193, 45.1583

Trichromacy



Original Color

29.1570, 36.1153, 16.9895

Protanomaly

31.5028, 35.9703, 16.3489

Deuteranomaly

33.5102, 35.6649, 17.4298

Tritanomaly

32.1741, 35.6942, 32.3880

Monochromacy



Original Color

29.1570, 36.1153, 16.9895

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.4445, 34.1090, 27.9008

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1570, 36.1153, 16.9895 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(150, 170, 98)` looks like.

```
.text, #text, p{  
    color:rgb(150, 170, 98)  
}
```

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(150, 170, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 170, 98) }
```

Border

The CSS property to change the border of an element to XYZ 29.1570, 36.1153, 16.9895 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(150, 170, 98) }
```


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

```
.border{ border-color:rgb(150, 170, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 170, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 170, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 170, 98);  
box-shadow:4px 4px 4px 4px rgb(150, 170,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1570, 36.1153, 16.9895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 170, 98) }
```

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

```
.background{ background-color: rgb(150,  
170, 98) }
```

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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