

Converting Colors

XYZ(29.0213, 34.8967, 13.4875)

Have a look what the booklet for
XYZ(29.0213, 34.8967, 13.4875)
contains.

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Color

**XYZ(29.1022, 35.0651,
13.4180)**

Conversions

Conversions Part 1

Format	Color
Hex	9DA653
RGB	157, 166, 83
RGB Percent	62%, 65%, 33%
CMY	0.3843, 0.3490, 0.6745
CMYK	0.05, 0.00, 0.50, 0.35
HSL	67°, 33%, 49%
HSV	67°, 50%, 65%
XYZ	29.1022, 35.0651, 13.4180
YIQ	153.8470, 21.2790, -27.7210

Conversions

Conversions Part 2

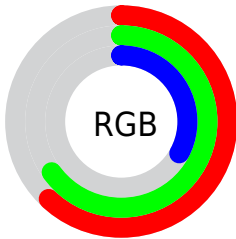
Format	Color
RYB	83, 166, 92
Decimal	10331731
CIELab	65.80, -15.58, 41.51
CIELCh	66, 44.335, 110.576
Yxy	35.0651, 0.3751, 0.4520
Android (android.graphics.Color)	4288521811 (0xFF9DA653)
YUV	153.8470, -34.9276, 2.7652
Hunter-Lab	59.2158, -15.9020, 28.0162

Details

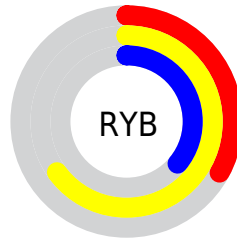
The XYZ color **29.1022, 35.0651, 13.4180** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **14.3911, 11.2159, 37.4849**, and the grayscale version is **30.7906, 32.3941, 35.2772**.

A 20% lighter version of the original color is **57.6702, 67.6083, 32.9318**, and **12.0007, 15.0875, 3.7185** is the 20% darker color. If you saturate the color by 10%, you get **28.1881, 34.6604, 10.4211**, and if you desaturate by 10%, it is **30.1767, 35.5370, 17.2249**.

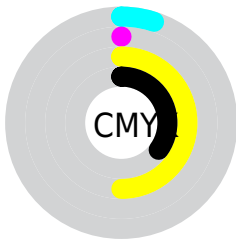
Distribution



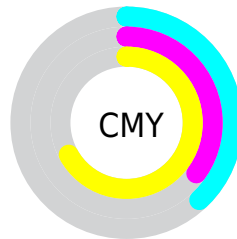
- Red (62%)
- Green (65%)
- Blue (33%)



- Red (33%)
- Yellow (65%)
- Blue (36%)



- Cyan (5%)
- Magenta (0%)
- Yellow (50%)
- Black (35%)



- Cyan (38%)
- Magenta (35%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1022, 35.0651, 13.4180 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 29.1022, 35.0651, 13.4180 by changing the saturation by 10% instead.

■ 29.1022, 35.0651,
13.4180

■ 29.1022, 35.0651,
13.4180

289.6824,
324.8556, 224.8806

■ 19.3028, 23.7130,
7.5829

■ 57.6359, 67.5866,
32.7549

■ 11.9946, 15.1209,
3.7453

■ 77.1008, 89.5248,
47.0937

■ 6.8122, 8.9043,
1.4867

■ 100.5184,
115.7606, 65.1042

■ 3.3902, 4.6788,
0.2080

■ 128.2539,
146.6782, 87.2049

■ 1.3633, 2.0601,
0.0000

■ 160.6727,
182.6621, 113.8144

■ 0.2299, 0.6420,
0.0000

198.1401,

■ 0.0000, 0.0000,

224.0967, 145.3511

0.0000

241.0216,
271.3664, 182.2337

■ 29.1022, 35.0651,
13.4180

■ 29.1022, 35.0651,
13.4180

■ 28.1881, 34.6604,
10.4211

■ 30.1767, 35.5370,
17.2249

■ 27.4206, 34.3137,
8.1732

■ 31.4190, 36.0755,
21.8923

■ 26.7880, 34.0216,
6.6086

■ 32.8393, 36.6857,
27.4695

■ 26.2753, 33.7780,
5.6490

■ 34.4460, 37.3711,
34.0010

■ 25.8489, 33.5695,
5.1172

■ 36.2472, 38.1348,
41.5289

■ 25.8489, 33.5695,
5.1172

■ 38.2502, 38.9800,
50.0923

■ 40.4622, 39.9093,
59.7286

■ 42.8900, 40.9256,
70.4731

■ 45.5399, 42.0313,
82.3595

Harmonies

Analogous

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



35.4297, 35.0651, 12.5362



29.1022, 35.0651, 13.4180



24.5294, 35.0651, 19.5749

Triad

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



29.1022, 35.0651, 13.4180



25.9647, 35.0651, 73.2943



47.3332, 35.0651, 44.3845

Complementary

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



29.1022, 35.0651, 13.4180



14.3911, 11.2159, 37.4849

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.



44.0139, 35.0651, 65.9148



29.1022, 35.0651, 13.4180



31.3118, 35.0651, 85.8545

Square

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



29.1022, 35.0651, 13.4180



22.8892, 35.0651, 52.2837



37.9450, 35.0651, 82.7836



46.5387, 35.0651, 26.8722

Rectangle

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



29.1022, 35.0651, 13.4180



22.8220, 35.0651, 27.4138



37.9450, 35.0651, 82.7836



46.6468, 35.0651, 51.4497

Sweetspot

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



29.1030, 35.0667, 13.4187



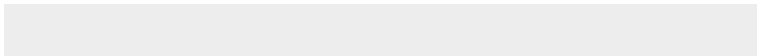
60.9304, 67.1471, 55.2273



21.0552, 16.2660, 10.2140



13.5048, 14.9706, 11.8313



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



29.1030, 35.0667, 13.4187



50.9876, 62.8264, 18.3921



22.4279, 31.6255, 13.1063



8.0655, 8.7319, 8.0496



20.0673, 26.0423, 3.9690



0.5102, 0.6450, 0.0976

Inverse Universe

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



14.3911, 11.2159, 37.4849



21.2213, 14.5203, 67.1595



19.6186, 13.9108, 37.7295



7.2046, 7.3381, 9.4550



5.5518, 2.2455, 28.1163



0.1576, 0.0662, 0.6851

Previews

White Background



This preview shows how the XYZ color 29.1022, 35.0651, 13.4180 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 29.1022, 35.0651, 13.4180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

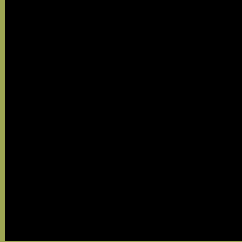
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.1022, 35.0651, 13.4180

Background



This preview shows how black text looks on a background with the XYZ color 29.1022, 35.0651, 13.4180.



This preview shows how white text looks on a background with the XYZ color 29.1022, 35.0651,

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

29.1022, 35.0651, 13.4180

Protanopia

31.9605, 34.9658, 12.8492

Deuteranopia

35.4136, 34.7305, 13.6412



Tritanopia

35.1548, 35.1940, 42.4764

Trichromacy



Original Color

29.1022, 35.0651, 13.4180

Protanomaly

30.8055, 34.8849, 13.0925

Deuteranomaly

32.7527, 34.5936, 13.5453

Tritanomaly

32.2625, 34.7631, 29.0543

Monochromacy



Original Color

29.1022, 35.0651, 13.4180

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

29.6407, 32.9808, 25.2258

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1022, 35.0651, 13.4180 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(157, 166, 83)` looks like.

```
.text, #text, p{  
    color:rgb(157, 166, 83)  
}
```

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(157, 166, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 166, 83) }
```

Border

The CSS property to change the border of an element to XYZ 29.1022, 35.0651, 13.4180 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(157, 166, 83) }
```


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

```
.border{ border-color:rgb(157, 166, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 166, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 166, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 166, 83);  
box-shadow:4px 4px 4px 4px rgb(157, 166,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1022, 35.0651, 13.4180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 166, 83) }
```

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

```
.background{ background-color: rgb(157,  
166, 83) }
```

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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