

Converting Colors

XYZ(13.9735, 24.8695, 8.4594)

Have a look what the booklet for
XYZ(13.9735, 24.8695, 8.4594)
contains.

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Color

**XYZ(13.9031, 24.7182,
8.4532)**

Conversions

Conversions Part 1

Format	Color
Hex	2F9C3D
RGB	47, 156, 61
RGB Percent	18%, 61%, 24%
CMY	0.8157, 0.3882, 0.7608
CMYK	0.70, 0.00, 0.61, 0.39
HSL	128°, 54%, 40%
HSV	128°, 70%, 61%
XYZ	13.9031, 24.7182, 8.4532
YIQ	112.5790, -34.4690, -52.6530

Conversions

Conversions Part 2

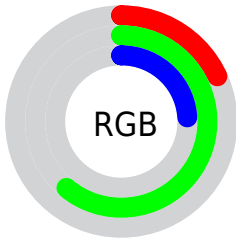
Format	Color
R_{YB}	47, 144, 156
Decimal	3120189
CIE _{Lab}	56.80, -50.34, 40.20
CIE _{LCh}	57, 64.423, 141.395
Yxy	24.7182, 0.2953, 0.5251
Android (android.graphics.Color)	4281310269 (0xFF2F9C3D)
YUV	112.5790, -25.4284, -57.5128
Hunter-Lab	49.7174, -37.0893, 24.7214

Details

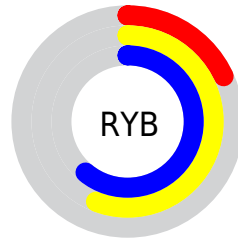
The XYZ color **13.9031, 24.7182, 8.4532** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **19.6101, 11.0544, 26.6921**, and the grayscale version is **15.6521, 16.4672, 17.9328**.

A 20% lighter version of the original color is **32.6525, 51.4450, 23.5381**, and **4.8886, 9.7158, 1.8187** is the 20% darker color. If you saturate the color by 10%, you get **12.9875, 24.2840, 6.7353**, and if you desaturate by 10%, it is **15.1698, 25.3241, 10.6734**.

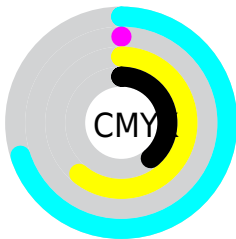
Distribution



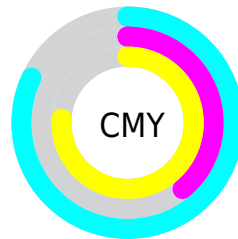
- Red (18%)
- Green (61%)
- Blue (24%)



- Red (18%)
- Yellow (56%)
- Blue (61%)



- Cyan (70%)
- Magenta (0%)
- Yellow (61%)
- Black (39%)



- Cyan (82%)
- Magenta (39%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.9031, 24.7182, 8.4532 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 13.9031, 24.7182, 8.4532 by changing the saturation by 10% instead.

■ 13.9031, 24.7182,
8.4532

■ 13.9031, 24.7182,
8.4532

210.1499,
276.4316, 189.3101

■ 8.1346, 15.8672,
4.2944

■ 32.5047, 51.1997,
23.4029

■ 4.2337, 9.4303,
1.7882

■ 46.0685, 69.5990,
35.0308

■ 1.8352, 5.0229,
0.4201

■ 62.9613, 91.9499,
49.9856

■ 0.5387, 2.2607,
0.0000

■ 83.5487, 118.6367,
68.6857

■ 0.0000, 0.7528,
0.0000

■ 108.1958,
150.0439, 91.5496

■ 0.0000, 0.0000,
0.0000

■ 137.2682,

186.5559, 118.9960

171.1311,
228.5570, 151.4433

■ 13.9031, 24.7182,
8.4532

■ 13.9031, 24.7182,
8.4532

■ 12.9875, 24.2840,
6.7353

■ 15.1698, 25.3241,
10.6734

■ 12.3852, 24.0007,
5.4789

■ 16.8170, 26.1140,
13.4292

■ 12.0196, 23.8305,
4.6381

■ 18.8728, 27.1023,
16.7530

■ 12.0156, 23.8285,
4.6297

■ 21.3622, 28.3015,
20.6740

■ 24.3083, 29.7227,
25.2195

■ 27.7324, 31.3764,
30.4153

■ 31.6546, 33.2725,
36.2854

■ 36.0936, 35.4201,
42.8529

■ 41.0674, 37.8281,
50.1395

Harmonies

Analogous

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



18.6007, 24.7182, 3.8305



13.9031, 24.7182, 8.4532



11.8943, 24.7182, 21.1772

Triad

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



13.9031, 24.7182, 8.4532



21.3946, 24.7182, 92.2014



39.7067, 24.7182, 14.4501

Complementary

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



13.9031, 24.7182, 8.4532



19.6101, 11.0544, 26.6921

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.



40.9022, 24.7182, 33.6030



13.9031, 24.7182, 8.4532



29.1778, 24.7182, 86.8776

Square

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



13.9031, 24.7182, 8.4532



15.5724, 24.7182, 74.0257



36.7132, 24.7182, 61.9366



33.7286, 24.7182, 5.7815

Rectangle

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



13.9031, 24.7182, 8.4532



11.9722, 24.7182, 35.9599



36.7132, 24.7182, 61.9366



40.7254, 24.7182, 19.5285

Sweetspot

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



13.9037, 24.7192, 8.4538



43.2670, 53.5570, 44.4531



23.7794, 29.8483, 7.1975



9.2114, 11.6357, 9.3064



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



13.9037, 24.7192, 8.4538



22.8899, 43.7757, 10.8138



16.1111, 25.6022, 20.0776



6.5837, 7.4142, 7.2425



9.9045, 19.6297, 3.8540



0.1859, 0.3545, 0.1151

Inverse Universe

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



19.6101, 11.0544, 26.6921



33.8781, 17.2822, 45.8003



16.5216, 9.8190, 10.4285



6.8675, 6.7399, 8.1532



14.9602, 7.2886, 19.8392



0.2767, 0.1340, 0.4035

Previews

White Background



This preview shows how the XYZ color 13.9031, 24.7182, 8.4532 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 13.9031, 24.7182, 8.4532 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 × Fail

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

XYZ 13.9031, 24.7182, 8.4532

Background



This preview shows how black text looks on a background with the XYZ color 13.9031, 24.7182, 8.4532.



This preview shows how white text looks on a background with the XYZ color 13.9031, 24.7182,

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

13.9031, 24.7182, 8.4532

Protanopia

22.2562, 24.4635, 7.1633

Deuteranopia

24.6503, 24.2372, 9.0093



Tritanopia

19.4309, 24.5629, 36.0647

Trichromacy



Original Color

13.9031, 24.7182, 8.4532

Protanomaly

17.3710, 23.4510, 7.4818

Deuteranomaly

18.3844, 23.0695, 8.6382

Tritanomaly

16.6615, 24.3666, 22.5640

Monochromacy



Original Color

13.9031, 24.7182, 8.4532

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

13.9905, 18.6325, 13.4487

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9031, 24.7182, 8.4532 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(47, 156, 61)` looks like.

```
.text, #text, p{  
    color:rgb(47, 156, 61)  
}
```

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(47, 156, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 156, 61) }
```

Border

The CSS property to change the border of an element to XYZ 13.9031, 24.7182, 8.4532 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(47, 156, 61) }
```


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

```
.border{ border-color:rgb(47, 156, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 156, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 156, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 156, 61);  
box-shadow:4px 4px 4px 4px rgb(47, 156,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 13.9031, 24.7182, 8.4532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 156, 61) }
```

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

```
.background{ background-color: rgb(47, 156,  
61) }
```

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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