

Converting Colors

XYZ(13.2645, 22.5042, 9.3779)

Have a look what the booklet for
XYZ(13.2645, 22.5042, 9.3779)
contains.

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Color

**XYZ(13.2167, 22.4063,
9.4226)**

Conversions

Conversions Part 1

Format	Color
Hex	369446
RGB	54, 148, 70
RGB Percent	21%, 58%, 27%
CMY	0.7882, 0.4196, 0.7255
CMYK	0.64, 0.00, 0.53, 0.42
HSL	130°, 47%, 40%
HSV	130°, 64%, 58%
XYZ	13.2167, 22.4063, 9.4226
YIQ	111.0020, -30.9860, -44.1860

Conversions

Conversions Part 2

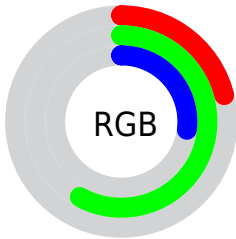
Format	Color
RYB	54, 134, 148
Decimal	3576902
CIELab	54.46, -44.65, 33.01
CIELCh	54, 55.527, 143.523
Yxy	22.4063, 0.2934, 0.4974
Android (android.graphics.Color)	4281766982 (0xFF369446)
YUV	111.0020, -20.2140, -49.9908
Hunter-Lab	47.3353, -32.9970, 21.3324

Details

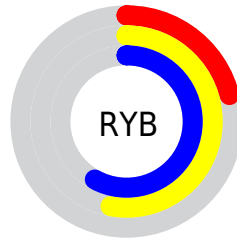
The XYZ color **13.2167, 22.4063, 9.4226** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **17.6974, 10.6005, 22.9435**, and the grayscale version is **15.1737, 15.9639, 17.3847**.

A 20% lighter version of the original color is **31.3016, 47.4474, 25.2778**, and **4.3277, 8.4237, 2.1569** is the 20% darker color. If you saturate the color by 10%, you get **12.1913, 21.9186, 7.5541**, and if you desaturate by 10%, it is **14.5643, 23.0522, 11.7211**.

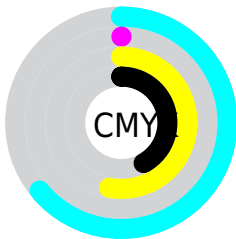
Distribution



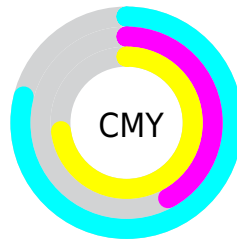
- Red (21%)
- Green (58%)
- Blue (27%)



- Red (21%)
- Yellow (53%)
- Blue (58%)



- Cyan (64%)
- Magenta (0%)
- Yellow (53%)
- Black (42%)



- Cyan (79%)
- Magenta (42%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2167, 22.4063, 9.4226 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 13.2167, 22.4063, 9.4226 by changing the saturation by 10% instead.

■ 13.2167, 22.4063,
9.4226

■ 13.2167, 22.4063,
9.4226

205.9115,
264.6608, 196.8326

■ 7.6560, 14.1557,
4.9173

■ 31.2906, 47.4166,
25.2943

■ 3.9255, 8.2291,
2.1409

■ 44.5344, 64.9452,
37.4977

■ 1.6601, 4.2419,
0.6400

■ 61.0700, 86.3352,
53.1042

■ 0.4311, 1.8098,
0.0000

■ 81.2627, 111.9710,
72.5324

■ 0.0000, 0.4932,
0.0000

■ 105.4778,
142.2371, 96.2008

■ 0.0000, 0.0000,
0.0000

134.0807,

177.5178, 124.5280

167.4368,
218.1976, 157.9324

■ 13.2167, 22.4063,
9.4226

■ 13.2167, 22.4063,
9.4226

■ 12.1913, 21.9186,
7.5541

■ 14.5643, 23.0522,
11.7211

■ 11.4588, 21.5727,
6.0873

■ 16.2567, 23.8655,
14.4725

■ 10.9873, 21.3534,
4.9931

■ 18.3164, 24.8580,
17.6998

■ 10.7679, 21.2518,
4.4652

■ 20.7637, 26.0397,
21.4241

■ 23.6170, 27.4198,
25.6652

■ 26.8940, 29.0068,
30.4418

■ 30.6108, 30.8088,
35.7717

■ 34.7832, 32.8334,
41.6717

■ 39.4259, 35.0880,
48.1583

Harmonies

Analogous

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



16.9662, 22.4063, 4.7818



13.2167, 22.4063, 9.4226



11.6704, 22.4063, 20.8138

Triad

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



13.2167, 22.4063, 9.4226



20.0057, 22.4063, 75.0222



33.9035, 22.4063, 13.3320

Complementary

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



13.2167, 22.4063, 9.4226



17.6974, 10.6005, 22.9435

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.



35.1400, 22.4063, 28.3687



13.2167, 22.4063, 9.4226



26.3073, 22.4063, 69.7248

Square

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



13.2167, 22.4063, 9.4226



15.0793, 22.4063, 62.3969



32.1383, 22.4063, 50.1806



29.0236, 22.4063, 6.1717

Rectangle

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



13.2167, 22.4063, 9.4226



11.8382, 22.4063, 33.0854



32.1383, 22.4063, 50.1806



34.7931, 22.4063, 17.3801

Sweetspot

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



13.2173, 22.4072, 9.4231



38.6278, 46.9073, 40.7817



20.8245, 26.3797, 7.4843



8.5267, 10.5671, 8.8747



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



13.2173, 22.4072, 9.4231



20.9335, 38.3996, 12.2099



15.3031, 23.2416, 20.4072



5.7675, 6.4836, 6.3866



9.2046, 18.1546, 3.8530



0.1202, 0.2252, 0.0870

Inverse Universe

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



17.6974, 10.6005, 22.9435



29.4515, 15.8268, 37.8235



15.1855, 9.5957, 9.7159



5.9934, 5.8924, 7.0712



13.4837, 6.5985, 16.5601



0.1740, 0.0844, 0.2502

Previews

White Background



This preview shows how the XYZ color 13.2167, 22.4063, 9.4226 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 13.2167, 22.4063, 9.4226 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 13.2167, 22.4063, 9.4226

Background



This preview shows how black text looks on a background with the XYZ color 13.2167, 22.4063, 9.4226.



This preview shows how white text looks on a background with the XYZ color 13.2167, 22.4063,

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

13.2167, 22.4063, 9.4226

Protanopia

20.2357, 22.1751, 8.0642

Deuteranopia

22.2921, 21.8558, 9.8812



Tritanopia

17.7990, 22.2361, 32.6320

Trichromacy



Original Color

13.2167, 22.4063, 9.4226

Protanomaly

16.4846, 21.6642, 8.4670

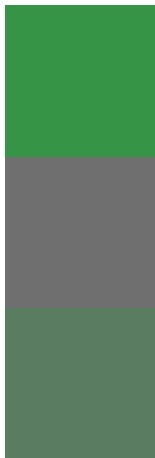
Deuteranomaly

17.2330, 20.9900, 9.6218

Tritanomaly

15.5697, 21.9801, 21.8343

Monochromacy



Original Color

13.2167, 22.4063, 9.4226

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

13.5354, 17.4335, 13.7179

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2167, 22.4063, 9.4226 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(54, 148, 70)` looks like.

```
.text, #text, p{  
    color:rgb(54, 148, 70)  
}
```

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(54, 148, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 148, 70) }
```

Border

The CSS property to change the border of an element to XYZ 13.2167, 22.4063, 9.4226 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(54, 148, 70) }
```


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

```
.border{ border-color:rgb(54, 148, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 148, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 148, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 148, 70);  
box-shadow:4px 4px 4px 4px rgb(54, 148,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2167, 22.4063, 9.4226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 148, 70) }
```

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

```
.background{ background-color: rgb(54, 148,  
70) }
```

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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