

Converting Colors

XYZ(12.7085, 22.1247, 9.2561)

Have a look what the booklet for
XYZ(12.7085, 22.1247, 9.2561)
contains.

XYZ(12.7028, 22.1450, 9.2351)	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(12.7028, 22.1450,
9.2351)**

Conversions

Conversions Part 1

Format	Color
Hex	2C9445
RGB	44, 148, 69
RGB Percent	17%, 58%, 27%
CMY	0.8274, 0.4196, 0.7294
CMYK	0.70, 0.00, 0.53, 0.42
HSL	134°, 54%, 38%
HSV	134°, 70%, 58%
XYZ	12.7028, 22.1450, 9.2351
YIQ	107.8980, -36.6250, -46.6170

Conversions

Conversions Part 2

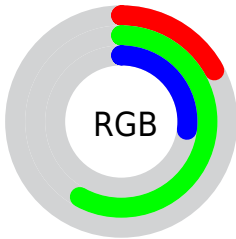
Format	Color
R_{YB}	44, 128, 148
Decimal	2921541
CIE _{Lab}	54.18, -46.87, 33.13
CIE _{LCh}	54, 57.391, 144.745
Yxy	22.1450, 0.2882, 0.5023
Android (android.graphics.Color)	4281111621 (0xFF2C9445)
YUV	107.8980, -19.1767, -56.0385
Hunter-Lab	47.0585, -34.1687, 21.3054

Details

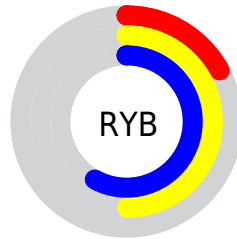
The XYZ color **12.7028, 22.1450, 9.2351** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **16.6892, 9.5277, 19.6989**, and the grayscale version is **14.2852, 15.0291, 16.3667**.

A 20% lighter version of the original color is **30.3946, 46.9868, 24.9202**, and **4.3182, 8.4199, 2.1071** is the 20% darker color. If you saturate the color by 10%, you get **11.8604, 21.7479, 7.5437**, and if you desaturate by 10%, it is **13.8392, 22.6873, 11.2865**.

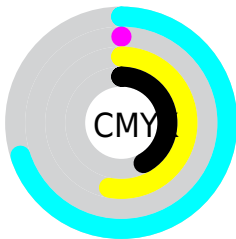
Distribution



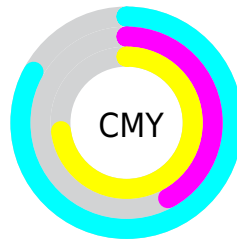
- Red (17%)
- Green (58%)
- Blue (27%)



- Red (17%)
- Yellow (50%)
- Blue (58%)



- Cyan (70%)
- Magenta (0%)
- Yellow (53%)
- Black (42%)





- Cyan (83%)
- Magenta (42%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.7028, 22.1450, 9.2351 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 12.7028, 22.1450, 9.2351 by changing the saturation by 10% instead.

 12.7028, 22.1450,
9.2351


 12.7028, 22.1450,
9.2351


202.6804,
263.3026, 195.4044


 7.2998, 13.9635,
4.7959


 30.3747, 46.9855,
24.9314


 3.6983, 8.0953,
2.0714


 43.3743, 64.4133,
37.0257

 1.5329, 4.1560,
0.5987

 59.6368, 85.6920,
52.5087

 0.3481, 1.7612,
0.0000

 79.5276, 111.2060,
71.7990

 0.0000, 0.4628,
0.0000

 103.4120,
141.3396, 95.3152

 0.0000, 0.0000,
0.0000

 131.6553,

176.4774, 123.4758

164.6230,
217.0035, 156.6993

■ 12.7028, 22.1450,
9.2351

■ 12.7028, 22.1450,
9.2351

■ 11.8604, 21.7479,
7.5437

■ 13.8392, 22.6873,
11.2865

■ 11.2811, 21.4787,
6.1898

■ 15.2932, 23.3846,
13.7156

■ 10.9024, 21.3055,
5.1733

■ 17.0876, 24.2489,
16.5407

■ 19.2427, 25.2905,
19.7785

■ 21.7773, 26.5186,
23.4447

■ 24.7086, 27.9418,
27.5541

■ 28.0529, 29.5683,
32.1210

■ 31.8256, 31.4056,
37.1588

■ 36.0413, 33.4610,
42.6806

Harmonies

Analogous

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



16.4213, 22.1450, 4.4476



12.7028, 22.1450, 9.2351



11.2304, 22.1450, 21.1042

Triad

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



12.7028, 22.1450, 9.2351



19.9698, 22.1450, 76.9548



33.9104, 22.1450, 12.4134

Complementary

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



12.7028, 22.1450, 9.2351



16.6892, 9.5277, 19.6989

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.



35.3735, 22.1450, 27.3932



12.7028, 22.1450, 9.2351



26.4714, 22.1450, 70.6208

Square

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



12.7028, 22.1450, 9.2351



14.8627, 22.1450, 64.3812



32.4247, 22.1450, 49.8332



28.7481, 22.1450, 5.5456

Rectangle

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



12.7028, 22.1450, 9.2351



11.4584, 22.1450, 33.9409



32.4247, 22.1450, 49.8332



34.8892, 22.1450, 16.3916

Sweetspot

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



12.7033, 22.1459, 9.2356



37.8744, 46.5225, 40.5827



19.3190, 25.6280, 6.3114



8.3816, 10.4920, 8.8852



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.



12.7033, 22.1459, 9.2356



20.3195, 38.0883, 11.9467



15.0356, 23.0788, 21.5172



5.7834, 6.4899, 6.4701



9.3214, 18.2014, 4.4683



0.1241, 0.2268, 0.1076

Inverse Universe

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



16.6892, 9.5277, 19.6989



27.7477, 14.3558, 31.2860



14.2750, 8.5620, 6.9859



5.9763, 5.8856, 6.9815



12.9609, 6.3894, 13.8067



0.1701, 0.0828, 0.2295

Previews

White Background



This preview shows how the XYZ color 12.7028, 22.1450, 9.2351 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 12.7028, 22.1450, 9.2351 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

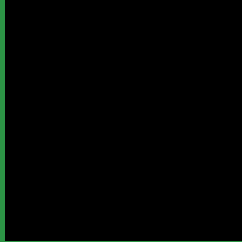
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.7028, 22.1450, 9.2351

Background



This preview shows how black text looks on a background with the XYZ color 12.7028, 22.1450, 9.2351.



This preview shows how white text looks on a background with the XYZ color 12.7028, 22.1450,

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

12.7028, 22.1450, 9.2351

Protanopia

19.9028, 21.8102, 7.8634

Deuteranopia

22.0978, 21.7556, 9.8721



Tritanopia

17.3443, 22.0017, 32.6108

Trichromacy



Original Color

12.7028, 22.1450, 9.2351



Protanomaly

15.7022, 21.0541, 8.2373



Deuteranomaly

16.5241, 20.6284, 9.4141



Tritanomaly

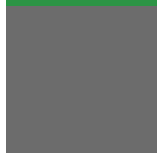
15.0487, 21.7186, 21.4881

Monochromacy



Original Color

12.7028, 22.1450, 9.2351



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

12.8497, 16.9054, 13.1755

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7028, 22.1450, 9.2351 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(44, 148, 69)` looks like.

```
.text, #text, p{  
    color:rgb(44, 148, 69)  
}
```

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(44, 148, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 148, 69) }
```

Border

The CSS property to change the border of an element to XYZ 12.7028, 22.1450, 9.2351 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(44, 148, 69) }
```


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

```
.border{ border-color:rgb(44, 148, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 148, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 148, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 148, 69);  
box-shadow:4px 4px 4px 4px rgb(44, 148,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7028, 22.1450, 9.2351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 148, 69) }
```

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

```
.background{ background-color: rgb(44, 148,  
69) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor