

Converting Colors

XYZ(13.7780, 22.7609, 9.3401)

Have a look what the booklet for
XYZ(13.7780, 22.7609, 9.3401)
contains.

XYZ(13.7140, 22.6662, 9.2824)	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(13.7140, 22.6662,
9.2824)**

Conversions

Conversions Part 1

Format	Color
Hex	3F9445
RGB	63, 148, 69
RGB Percent	25%, 58%, 27%
CMY	0.7529, 0.4196, 0.7294
CMYK	0.57, 0.00, 0.53, 0.42
HSL	124°, 40%, 41%
HSV	124°, 57%, 58%
XYZ	13.7140, 22.6662, 9.2824
YIQ	113.5790, -25.3010, -42.5890

Conversions

Conversions Part 2

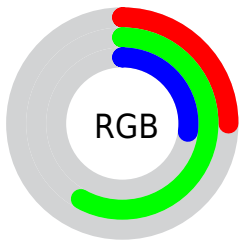
Format	Color
R _{YB}	63, 142, 148
Decimal	4166725
CIE Lab	54.73, -42.61, 33.92
CIE LCh	55, 54.462, 141.478
Yxy	22.6662, 0.3003, 0.4964
Android (android.graphics.Color)	4282356805 (0xFF3F9445)
YUV	113.5790, -21.9774, -44.3578
Hunter-Lab	47.6090, -31.8981, 21.7665

Details

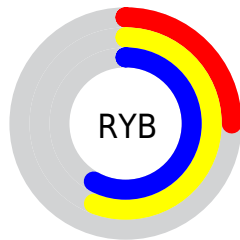
The XYZ color **13.7140, 22.6662, 9.2824** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **18.8735, 11.8044, 26.8758**, and the grayscale version is **15.9378, 16.7678, 18.2601**.

A 20% lighter version of the original color is **32.1569, 47.8953, 25.0026**, and **4.3182, 8.4199, 2.1071** is the 20% darker color. If you saturate the color by 10%, you get **12.5143, 22.0921, 7.2501**, and if you desaturate by 10%, it is **15.2680, 23.4128, 11.8490**.

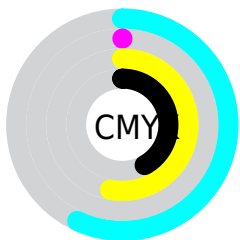
Distribution



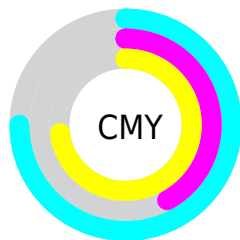
- Red (25%)
- Green (58%)
- Blue (27%)



- Red (25%)
- Yellow (56%)
- Blue (58%)



- Cyan (57%)
- Magenta (0%)
- Yellow (53%)
- Black (42%)



- Cyan (75%)
- Magenta (42%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7140, 22.6662, 9.2824 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 13.7140, 22.6662, 9.2824 by changing the saturation by 10% instead.

■ 13.7140, 22.6662,
9.2824

■ 13.7140, 22.6662,
9.2824

208.9907,
266.0059, 195.7658

■ 8.0024, 14.3472,
4.8265

■ 32.1712, 47.8446,
25.0231

■ 4.1483, 8.3626,
2.0889

■ 45.6475, 65.4729,
37.1450

■ 1.7864, 4.3278,
0.6091

■ 62.4428, 86.9730,
52.6593

■ 0.5094, 1.8586,
0.0000

■ 82.9224, 112.7295,
71.9845

■ 0.0000, 0.5233,
0.0000

■ 107.4516,
143.1266, 95.5392

■ 0.0000, 0.0000,
0.0000

136.3958,

178.5487, 123.7420

170.1204,
219.3804, 157.0114

■ 13.7140, 22.6662,
9.2824

■ 13.7140, 22.6662,
9.2824

■ 12.5143, 22.0921,
7.2501

■ 15.2680, 23.4128,
11.8490

■ 11.6393, 21.6742,
5.7131

■ 17.1994, 24.3411,
14.9824

■ 11.0576, 21.3977,
4.6295

■ 19.5313, 25.4631,
18.7140

■ 10.7170, 21.2368,
3.9490

■ 22.2847, 26.7889,
23.0729

■ 10.6476, 21.2035,
3.8316

■ 25.4788, 28.3278,
28.0860

■ 29.1319, 30.0888,
33.7787

■ 33.2610, 32.0802,
40.1751

■ 37.8825, 34.3098,
47.2980

■ 43.0118, 36.7852,
55.1692

Harmonies

Analogous

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



17.5865, 22.6662, 4.9256



13.7140, 22.6662, 9.2824



12.0235, 22.6662, 20.0966

Triad

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



13.7140, 22.6662, 9.2824



19.8774, 22.6662, 73.9523



34.1730, 22.6662, 14.4443

Complementary

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



13.7140, 22.6662, 9.2824



18.8735, 11.8044, 26.8758

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.



35.0983, 22.6662, 29.9113



13.7140, 22.6662, 9.2824



26.0536, 22.6662, 70.0107

Square

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



13.7140, 22.6662, 9.2824



15.1229, 22.6662, 60.6429



31.8982, 22.6662, 51.5342



29.5644, 22.6662, 6.7958

Rectangle

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



13.7140, 22.6662, 9.2824



12.0938, 22.6662, 31.8618



31.8982, 22.6662, 51.5342



34.9553, 22.6662, 18.6671

Sweetspot

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



13.7146, 22.6671, 9.2829



39.3673, 47.2892, 40.7861



22.7006, 27.3201, 8.7797



8.7754, 10.6933, 8.9773



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.



13.7146, 22.6671, 9.2829



21.5680, 38.7341, 11.9055



15.5189, 23.3889, 18.7843



5.7452, 6.4747, 6.2692



9.0988, 18.1123, 3.2956



0.1147, 0.2230, 0.0577

Inverse Universe

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



18.8735, 11.8044, 26.8758



31.5643, 17.6411, 45.9619



16.2831, 10.7682, 13.2351



6.0178, 5.9022, 7.2000



14.3266, 6.9357, 20.9986



0.1796, 0.0866, 0.2795

Previews

White Background



This preview shows how the XYZ color 13.7140, 22.6662, 9.2824 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 13.7140, 22.6662, 9.2824 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 13.7140, 22.6662, 9.2824

Background



This preview shows how black text looks on a background with the XYZ color 13.7140, 22.6662, 9.2824.



This preview shows how white text looks on a background with the XYZ color 13.7140, 22.6662,

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

13.7140, 22.6662, 9.2824

Protanopia

20.3814, 22.2534, 7.9238

Deuteranopia

22.5782, 22.1924, 9.7502



Tritanopia

18.3858, 22.5386, 32.6595

Trichromacy



Original Color

13.7140, 22.6662, 9.2824

Protanomaly

16.9700, 21.9178, 8.3372

Deuteranomaly

17.7585, 21.4671, 9.5109

Tritanomaly

16.1047, 22.2630, 21.5375

Monochromacy



Original Color

13.7140, 22.6662, 9.2824

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

14.3848, 18.2364, 14.3171

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7140, 22.6662, 9.2824 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(63, 148, 69)` looks like.

```
.text, #text, p{  
    color:rgb(63, 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(63, 148, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 148, 69) }
```

Border

The CSS property to change the border of an element to XYZ 13.7140, 22.6662, 9.2824 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(63, 148, 69) }
```


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

```
.border{ border-color:rgb(63, 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(63, 148, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 148, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 148, 69);  
box-shadow:4px 4px 4px 4px rgb(63, 148,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7140, 22.6662, 9.2824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 148, 69) }
```

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

```
.background{ background-color: rgb(63, 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](#).

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