

Converting Colors

XYZ(13.8422, 22.7265, 4.0996)

Have a look what the booklet for
XYZ(13.8422, 22.7265, 4.0996)
contains.

XYZ(13.7444, 22.5642, 4.0829)	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(13.7444, 22.5642,
4.0829)**

Conversions

Conversions Part 1

Format	Color
Hex	4F930F
RGB	79, 147, 15
RGB Percent	31%, 58%, 6%
CMY	0.6902, 0.4235, 0.9411
CMYK	0.46, 0.00, 0.90, 0.42
HSL	91°, 81%, 32%
HSV	91°, 90%, 58%
XYZ	13.7444, 22.5642, 4.0829
YIQ	111.6200, 1.8440, -55.4680

Conversions

Conversions Part 2

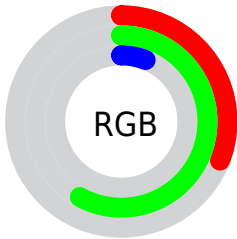
Format	Color
R_{YB}	15, 147, 83
Decimal	5214991
CIE _{Lab}	54.62, -41.96, 54.82
CIE _{LCh}	55, 69.032, 127.431
Yxy	22.5642, 0.3403, 0.5586
Android (android.graphics.Color)	4283405071 (0xFF4F930F)
YUV	111.6200, -47.6337, -28.6077
Hunter-Lab	47.5018, -31.4801, 28.1551

Details

The XYZ color **13.7444, 22.5642, 4.0829** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **9.0061, 4.2882, 27.9581**, and the grayscale version is **15.4252, 16.2285, 17.6729**.

A 20% lighter version of the original color is **32.3822, 47.9000, 14.1955**, and **4.3234, 8.3036, 1.3749** is the 20% darker color. If you saturate the color by 10%, you get **13.0658, 22.2248, 3.6101**, and if you desaturate by 10%, it is **14.5556, 22.9664, 4.8748**.

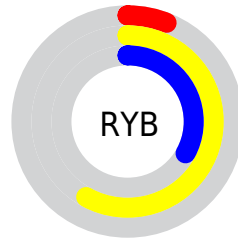
Distribution



 Red (31%)

 Green (58%)

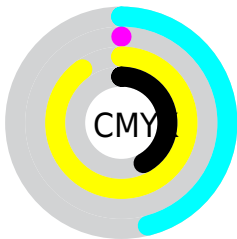
 Blue (6%)




 Red (6%)

 Yellow (58%)

 Blue (33%)

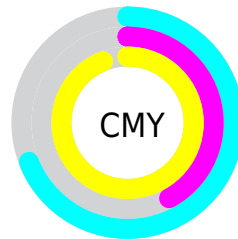



 Cyan (46%)


 Magenta (0%)

 Yellow (90%)

 Black (42%)



 Cyan (69%)

 Magenta (42%)

 Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7444, 22.5642, 4.0829 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 13.7444, 22.5642, 4.0829 by changing the saturation by 10% instead.

■ 13.7444, 22.5642,
4.0829

■ 13.7444, 22.5642,
4.0829

209.1775,
265.4787, 149.1424

■ 8.0236, 14.2721,
1.6709

■ 32.2249, 47.6767,
14.2005

■ 4.1620, 8.3101,
0.3407

■ 45.7153, 65.2659,
22.7432

■ 1.7942, 4.2940,
0.0000

■ 62.5263, 86.7229,
34.1666

■ 0.5142, 1.8394,
0.0000

■ 83.0232, 112.4321,
48.8892


■ 0.0000, 0.5115,
0.0000


■ 107.5714,
142.7779, 67.3295


■ 0.0000, 0.0000,
0.0000


■ 136.5363,


178.1446, 89.9061


 170.2832,
218.9168, 117.0376


 13.7444, 22.5642,
4.0829


 13.7444, 22.5642,
4.0829


 13.0658, 22.2248,
3.6101


 14.5556, 22.9664,
4.8748

 13.0523, 22.2181,
3.6006

 15.5278, 23.4408,
6.1297

 16.6744, 23.9938,
7.9052

 18.0068, 24.6302,
10.2503

 19.5353, 25.3543,
13.2083

■ 21.2692, 26.1700,
16.8181

■ 23.2171, 27.0811,
21.1157

■ 25.3872, 28.0910,
26.1343

■ 27.7871, 29.2029,
31.9048

Harmonies

Analogous

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



19.6144, 22.5642, 2.0617



13.7444, 22.5642, 4.0829



10.5976, 22.5642, 11.7672

Triad

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



13.7444, 22.5642, 4.0829



16.3198, 22.5642, 86.8830



39.4126, 22.5642, 19.5509

Complementary

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



13.7444, 22.5642, 4.0829



9.0061, 4.2882, 27.9581

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.



37.9387, 22.5642, 44.3497



13.7444, 22.5642, 4.0829



23.3895, 22.5642, 93.6661

Square

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



13.7444, 22.5642, 4.0829



11.8213, 22.5642, 59.7246



31.5936, 22.5642, 74.9330



35.2450, 22.5642, 6.9169

Rectangle

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



13.7444, 22.5642, 4.0829



9.9232, 22.5642, 22.7425



31.5936, 22.5642, 74.9330



39.5747, 22.5642, 26.4899

Sweetspot

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



13.7449, 22.5652, 4.0834



38.8340, 47.2142, 31.7279



15.0624, 12.1237, 1.9985



8.6325, 10.6690, 6.7419



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.



13.7449, 22.5652, 4.0834



23.1710, 39.6832, 6.4384



10.7177, 21.0046, 3.9417



5.9812, 6.5981, 6.1988



11.3436, 19.2757, 3.1227



0.1726, 0.2533, 0.0398

Inverse Universe

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



9.0061, 4.2882, 27.9581



14.5262, 6.3990, 49.9041



17.4708, 8.6519, 28.3542



5.7673, 5.7710, 7.2797



7.1602, 3.1638, 24.1643



0.1217, 0.0563, 0.2974

Previews

White Background



This preview shows how the XYZ color 13.7444, 22.5642, 4.0829 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 13.7444, 22.5642, 4.0829 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 13.7444, 22.5642, 4.0829

Background



This preview shows how black text looks on a background with the XYZ color 13.7444, 22.5642, 4.0829.



This preview shows how white text looks on a background with the XYZ color 13.7444, 22.5642,

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

13.7444, 22.5642, 4.0829

Protanopia

20.0536, 22.1836, 3.4259

Deuteranopia

22.4617, 22.0623, 4.5134



Tritanopia

19.2207, 22.5708, 31.3605

Trichromacy



Original Color

13.7444, 22.5642, 4.0829

Protanomaly

16.8850, 21.7678, 3.5988

Deuteranomaly

17.9534, 21.4826, 4.1776

Tritanomaly

16.0416, 22.1435, 15.4852

Monochromacy



Original Color

13.7444, 22.5642, 4.0829

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

13.9287, 17.9124, 9.7445

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7444, 22.5642, 4.0829 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(79, 147, 15)` looks like.

```
.text, #text, p{  
    color:rgb(79, 147, 15)  
}
```

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(79, 147, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 147, 15) }
```

Border

The CSS property to change the border of an element to XYZ 13.7444, 22.5642, 4.0829 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(79, 147, 15) }
```


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

```
.border{ border-color:rgb(79, 147, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 147, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 147, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 147, 15);  
box-shadow:4px 4px 4px 4px rgb(79, 147,  
15) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7444, 22.5642, 4.0829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 147, 15) }
```

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

```
.background{ background-color: rgb(79, 147,  
15) }
```

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