

Converting Colors

XYZ(13.9636, 22.4133, 7.6803)

Have a look what the booklet for
XYZ(13.9636, 22.4133, 7.6803)
contains.

XYZ(13.9700, 22.3694, 7.7191)	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(13.9700, 22.3694,
7.7191)**

Conversions

Conversions Part 1

Format	Color
Hex	4B923B
RGB	75, 146, 59
RGB Percent	29%, 57%, 23%
CMY	0.7059, 0.4274, 0.7686
CMYK	0.49, 0.00, 0.60, 0.43
HSL	109°, 42%, 40%
HSV	109°, 60%, 57%
XYZ	13.9700, 22.3694, 7.7191
YIQ	114.8530, -14.3890, -42.1090

Conversions

Conversions Part 2

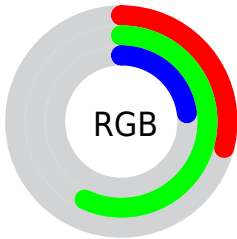
Format	Color
RYB	59, 146, 130
Decimal	4952635
CIELab	54.42, -39.65, 38.63
CIELCh	54, 55.360, 135.745
Yxy	22.3694, 0.3171, 0.5077
Android (android.graphics.Color)	4283142715 (0xFF4B923B)
YUV	114.8530, -27.5355, -34.9511
Hunter-Lab	47.2963, -30.0446, 23.4309

Details

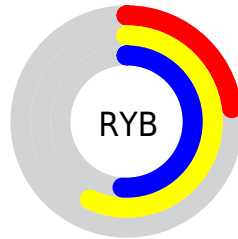
The XYZ color **13.9700, 22.3694, 7.7191** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **15.9592, 9.9498, 28.2747**, and the grayscale version is **16.3356, 17.1863, 18.7159**.

A 20% lighter version of the original color is **32.7002, 47.5445, 21.9215**, and **4.3062, 8.2909, 1.5456** is the 20% darker color. If you saturate the color by 10%, you get **12.7969, 21.8031, 5.9567**, and if you desaturate by 10%, it is **15.4247, 23.0700, 10.0486**.

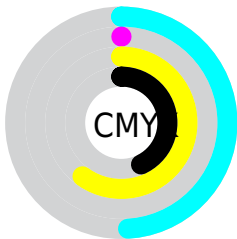
Distribution



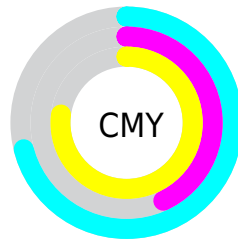
- Red (29%)
- Green (57%)
- Blue (23%)



- Red (23%)
- Yellow (57%)
- Blue (51%)



- Cyan (49%)
- Magenta (0%)
- Yellow (60%)
- Black (43%)



- Cyan (71%)
- Magenta (43%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.9700, 22.3694, 7.7191 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 13.9700, 22.3694, 7.7191 by changing the saturation by 10% instead.

■ 13.9700, 22.3694,
7.7191

■ 13.9700, 22.3694,
7.7191

210.5585,
264.4693, 183.3634

■ 8.1814, 14.1286,
3.8306

■ 32.6225, 47.3558,
21.9429

■ 4.2640, 8.2102,
1.5329

■ 46.2171, 64.8701,
33.1152

■ 1.8525, 4.2297,
0.2422

■ 63.1443, 86.2444,
47.5526

■ 0.5490, 1.8029,
0.0000

■ 83.7696, 111.8631,
65.6735

■ 0.0000, 0.4890,
0.0000

■ 108.4584,
142.1106, 87.8965

■ 0.0000, 0.0000,
0.0000

■ 137.5758,

177.3711, 114.6401

171.4874,
218.0293, 146.3229

■ 13.9700, 22.3694,
7.7191

■ 13.9700, 22.3694,
7.7191

■ 12.7969, 21.8031,
5.9567

■ 15.4247, 23.0700,
10.0486

■ 11.8850, 21.3596,
4.7115

■ 17.1764, 23.9098,
12.9864

■ 11.2134, 21.0301,
3.9277

■ 19.2414, 24.8971,
16.5718

■ 10.7436, 20.7976,
3.4654

■ 21.6342, 26.0387,
20.8400

■ 10.7273, 20.7896,
3.4474

■ 24.3684, 27.3407,
25.8241

■ 27.4568, 28.8092,
31.5548

■ 30.9116, 30.4497,
38.0610

■ 34.7443, 32.2678,
45.3702

■ 38.9661, 34.2684,
53.5084

Harmonies

Analogous

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



18.2582, 22.3694, 4.3032



13.9700, 22.3694, 7.7191



11.8617, 22.3694, 17.0388

Triad

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



13.9700, 22.3694, 7.7191



18.5235, 22.3694, 73.0227



34.5395, 22.3694, 16.3880

Complementary

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



13.9700, 22.3694, 7.7191



15.9592, 9.9498, 28.2747

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.



34.6478, 22.3694, 33.5165



13.9700, 22.3694, 7.7191



24.5771, 22.3694, 72.5575

Square

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



13.9700, 22.3694, 7.7191



14.1323, 22.3694, 56.8626



30.7300, 22.3694, 55.7915



30.4574, 22.3694, 7.4379

Rectangle

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



13.9700, 22.3694, 7.7191



11.6597, 22.3694, 27.8461



30.7300, 22.3694, 55.7915



35.0646, 22.3694, 21.1713

Sweetspot

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



13.9705, 22.3703, 7.7196



38.7211, 46.1989, 37.7698



20.4421, 22.0231, 7.3115



8.3500, 10.1516, 7.9263



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



13.9705, 22.3703, 7.7196



21.8991, 38.1339, 9.5548



13.7269, 22.1461, 12.1669



5.8232, 6.5167, 6.1914



9.4544, 18.3018, 3.0343



0.1342, 0.2335, 0.0380

Inverse Universe

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



15.9592, 9.9498, 28.2747



25.6697, 14.0547, 49.3334



16.8029, 10.5931, 18.8974



5.9318, 5.8558, 7.2874



11.2961, 5.2959, 24.3579



0.1601, 0.0761, 0.2991

Previews

White Background



This preview shows how the XYZ color 13.9700, 22.3694, 7.7191 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 13.9700, 22.3694, 7.7191 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 13.9700, 22.3694, 7.7191

Background



This preview shows how black text looks on a background with the XYZ color 13.9700, 22.3694, 7.7191.



This preview shows how white text looks on a background with the XYZ color 13.9700, 22.3694,

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

13.9700, 22.3694, 7.7191

Protanopia

20.1501, 22.1609, 6.7055

Deuteranopia

22.3352, 21.9185, 8.0545



Tritanopia

18.7046, 22.3048, 31.3364

Trichromacy



Original Color

13.9700, 22.3694, 7.7191

Protanomaly

17.1257, 21.8158, 7.0496

Deuteranomaly

17.9156, 21.1807, 7.8467

Tritanomaly

16.3682, 21.9956, 19.9059

Monochromacy



Original Color

13.9700, 22.3694, 7.7191

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

14.7819, 18.4573, 13.6100

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9700, 22.3694, 7.7191 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(75, 146, 59)` looks like.

```
.text, #text, p{  
    color:rgb(75, 146, 59)  
}
```

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(75, 146, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 146, 59) }
```

Border

The CSS property to change the border of an element to XYZ 13.9700, 22.3694, 7.7191 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(75, 146, 59) }
```


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

```
.border{ border-color:rgb(75, 146, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 146, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 146, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 146, 59);  
box-shadow:4px 4px 4px 4px rgb(75, 146,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 13.9700, 22.3694, 7.7191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 146, 59) }
```

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

```
.background{ background-color: rgb(75, 146,  
59) }
```

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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