

Converting Colors

XYZ(14.4764, 22.5734, 3.5941)

Have a look what the booklet for
XYZ(14.4764, 22.5734, 3.5941)
contains.

XYZ(14.4398, 22.4749, 3.5770)	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(14.4398, 22.4749,
3.5770)**

Conversions

Conversions Part 1

Format	Color
Hex	5B9100
RGB	91, 145, 0
RGB Percent	36%, 57%, 0%
CMY	0.6431, 0.4314, 1.0000
CMYK	0.37, 0.00, 1.00, 0.43
HSL	82°, 100%, 28%
HSV	82°, 100%, 57%
XYZ	14.4398, 22.4749, 3.5770
YIQ	112.3240, 14.3610, -56.5430

Conversions

Conversions Part 2

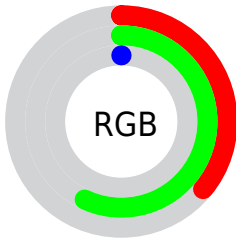
Format	Color
RYB	0, 145, 54
Decimal	6000896
CIELab	54.53, -37.20, 57.54
CIELCh	55, 68.523, 122.882
Yxy	22.4749, 0.3566, 0.5550
Android (android.graphics.Color)	4284190976 (0xFF5B9100)
YUV	112.3240, -55.3757, -18.7011
Hunter-Lab	47.4077, -28.5946, 28.7118

Details

The XYZ color **14.4398, 22.4749, 3.5770** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **6.6332, 2.8293, 26.9858**, and the grayscale version is **15.6522, 16.4674, 17.9330**.

A 20% lighter version of the original color is **33.3517, 47.3875, 13.0191**, and **4.7303, 8.3805, 1.3683** is the 20% darker color. If you saturate the color by 10%, you get **14.4399, 22.4757, 3.5772**, and if you desaturate by 10%, it is **15.0748, 22.7934, 4.0389**.

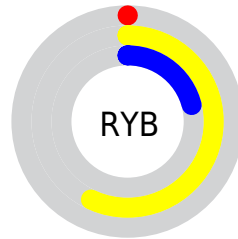
Distribution



Red (36%)

Green (57%)

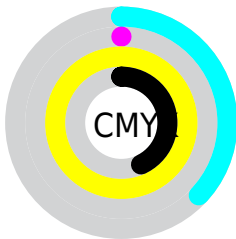
Blue (0%)



Red (0%)

Yellow (57%)

Blue (21%)

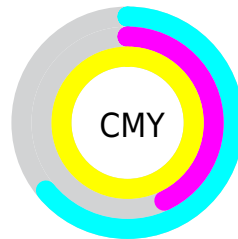


Cyan (37%)

Magenta (0%)

Yellow (100%)

Black (43%)



Cyan (64%)

Magenta (43%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.4398, 22.4749, 3.5770 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 14.4398, 22.4749, 3.5770 by changing the saturation by 10% instead.

■ 14.4398, 22.4749,
3.5770

■ 14.4398, 22.4749,
3.5770

213.4062,
265.0164, 143.4008

■ 8.5109, 14.2063,
1.3963

■ 33.4472, 47.5297,
13.0218

■ 4.4781, 8.2643,
0.1388

■ 47.2564, 65.0846,
21.1230

■ 1.9760, 4.2645,
0.0000

■ 64.4231, 86.5037,
32.0347

■ 0.6204, 1.8226,
0.0000

■ 85.3126, 112.1714,
46.1756


■ 0.0000, 0.5012,
0.0000


■ 110.2903,
142.4722, 63.9641


■ 0.0000, 0.0000,
0.0000


■ 139.7216,


177.7903, 85.8187


 173.9718,
218.5103, 112.1582


 14.4398, 22.4749,
3.5770


 14.4398, 22.4749,
3.5770


 14.4399, 22.4757,
3.5772

 15.0748, 22.7934,
4.0389

 15.8048, 23.1537,
4.7992

 16.6591, 23.5682,
6.0061

 17.6489, 24.0417,
7.7148

 18.7840, 24.5781,
9.9728

■ 20.0730, 25.1808,
12.8218

■ 21.5236, 25.8532,
16.2997

■ 23.1433, 26.5982,
20.4410

■ 24.9386, 27.4185,
25.2779

Harmonies

Analogous

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



20.6435, 22.4749, 2.0450



14.4398, 22.4749, 3.5770



10.9115, 22.4749, 10.0432

Triad

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



14.4398, 22.4749, 3.5770



15.4307, 22.4749, 82.8501



39.2801, 22.4749, 22.4494

Complementary

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



14.4398, 22.4749, 3.5770



6.6332, 2.8293, 26.9858

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.



36.9710, 22.4749, 48.5868



14.4398, 22.4749, 3.5770



22.0964, 22.4749, 93.4046

Square

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



14.4398, 22.4749, 3.5770



11.3823, 22.4749, 54.5040



30.2031, 22.4749, 78.2475



35.9337, 22.4749, 8.1818

Rectangle

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



14.4398, 22.4749, 3.5770



9.9949, 22.4749, 19.6950



30.2031, 22.4749, 78.2475



39.1406, 22.4749, 29.9635

Sweetspot

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



14.4403, 22.4759, 3.5775



38.3709, 46.2174, 28.7606



12.9587, 8.5821, 0.9738



8.3133, 10.1785, 5.8549



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.



14.4403, 22.4759, 3.5775



25.6613, 40.1472, 6.3967



10.4012, 20.3936, 3.3885



5.6475, 6.1864, 5.7858



12.4143, 19.2924, 3.0695



0.1431, 0.1970, 0.0305

Inverse Universe

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



6.6332, 2.8293, 26.9858



11.6989, 4.9737, 48.3170



13.6669, 6.4553, 27.3149



5.3075, 5.3467, 6.7810



5.7158, 2.4402, 23.1468



0.0776, 0.0352, 0.2224

Previews

White Background



This preview shows how the XYZ color 14.4398, 22.4749, 3.5770 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 14.4398, 22.4749, 3.5770 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 14.4398, 22.4749, 3.5770

Background



This preview shows how black text looks on a background with the XYZ color 14.4398, 22.4749, 3.5770.



This preview shows how white text looks on a background with the XYZ color 14.4398, 22.4749,

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

14.4398, 22.4749, 3.5770

Protanopia

20.0153, 22.1683, 3.2240

Deuteranopia

22.6024, 22.1423, 4.1812



Tritanopia

19.9157, 22.5291, 30.4930

Trichromacy



Original Color

14.4398, 22.4749, 3.5770

Protanomaly

17.4164, 21.8400, 3.2976

Deuteranomaly

18.5420, 21.5946, 3.7632

Tritanomaly

16.5752, 22.0223, 13.7330

Monochromacy



Original Color

14.4398, 22.4749, 3.5770

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

14.0539, 17.8133, 8.6588

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.4398, 22.4749, 3.5770 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(91, 145, 0)` looks like.

```
.text, #text, p{  
    color:rgb(91, 145, 0)  
}
```

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(91, 145, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 145, 0) }
```

Border

The CSS property to change the border of an element to XYZ 14.4398, 22.4749, 3.5770 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(91, 145, 0) }
```


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

```
.border{ border-color:rgb(91, 145, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 145, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 145, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 145, 0);  
box-shadow:4px 4px 4px 4px rgb(91, 145, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 14.4398, 22.4749, 3.5770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 145, 0) }
```

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

```
.background{ background-color: rgb(91, 145,  
0) }
```

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