

Converting Colors

XYZ(14.8660, 22.8841, 4.4442)

Have a look what the booklet for
XYZ(14.8660, 22.8841, 4.4442)
contains.

XYZ(14.8472, 22.8949, 4.4472)	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(14.8472, 22.8949,
4.4472)**

Conversions

Conversions Part 1

Format	Color
Hex	5C9217
RGB	92, 146, 23
RGB Percent	36%, 57%, 9%
CMY	0.6392, 0.4274, 0.9098
CMYK	0.37, 0.00, 0.84, 0.43
HSL	86°, 73%, 33%
HSV	86°, 84%, 57%
XYZ	14.8472, 22.8949, 4.4472
YIQ	115.8320, 7.2990, -49.7010

Conversions

Conversions Part 2

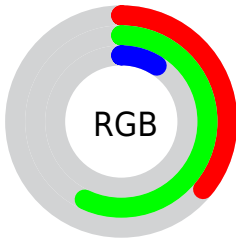
Format	Color
RYB	23, 146, 77
Decimal	6066711
CIELab	54.96, -36.60, 53.47
CIELCh	55, 64.800, 124.388
Yxy	22.8949, 0.3519, 0.5427
Android (android.graphics.Color)	4284256791 (0xFF5C9217)
YUV	115.8320, -45.7662, -20.9007
Hunter-Lab	47.8486, -28.3474, 27.9834

Details

The XYZ color **14.8472, 22.8949, 4.4472** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **8.5563, 4.2665, 27.5679**, and the grayscale version is **16.6839, 17.5527, 19.1149**.

A 20% lighter version of the original color is **34.1349, 48.0908, 15.0728**, and **4.8552, 8.5777, 1.3998** is the 20% darker color. If you saturate the color by 10%, you get **14.1255, 22.5361, 3.8468**, and if you desaturate by 10%, it is **15.7043, 23.3157, 5.4732**.

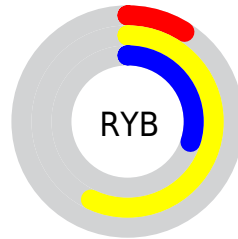
Distribution



 Red (36%)

 Green (57%)

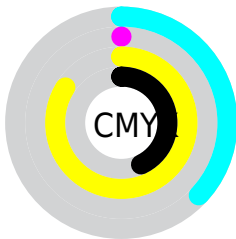
 Blue (9%)




 Red (9%)

 Yellow (57%)

 Blue (30%)

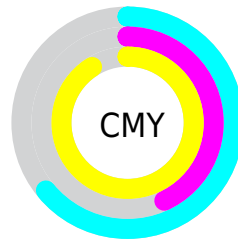


 Cyan (37%)


 Magenta (0%)

 Yellow (84%)

 Black (43%)



 Cyan (64%)

 Magenta (43%)

 Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.8472, 22.8949, 4.4472 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 14.8472, 22.8949, 4.4472 by changing the saturation by 10% instead.

■ 14.8472, 22.8949,
4.4472

■ 14.8472, 22.8949,
4.4472

215.8463,
267.1847, 153.0734

■ 8.7978, 14.5159,
1.8737

■ 34.1588, 48.2207,
15.0287

■ 4.6656, 8.4804,
0.4759

■ 48.1517, 65.9363,
23.8738

■ 2.0852, 4.4038,
0.0000

■ 65.5231, 87.5329,
35.6465

■ 0.6811, 1.9019,
0.0000

■ 86.6385, 113.3949,
50.7654

■ 0.0000, 0.5495,
0.0000

■ 111.8632,
143.9067, 69.6490

■ 0.0000, 0.0000,
0.0000

■ 141.5624,

179.4527, 92.7158

176.1017,
220.4172, 120.3844

14.8472, 22.8949,
4.4472

14.8472, 22.8949,
4.4472

14.1255, 22.5361,
3.8468

15.7043, 23.3157,
5.4732

13.7503, 22.3480,
3.5889

16.7085, 23.8009,
6.9866

17.8714, 24.3561,
9.0391

19.2025, 24.9854,
11.6754

20.7107, 25.6923,
14.9356

■ 22.4040, 26.4802,
18.8562

■ 24.2900, 27.3523,
23.4709

■ 26.3756, 28.3114,
28.8112

■ 28.6675, 29.3604,
34.9066

Harmonies

Analogous

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



20.7199, 22.8949, 2.6203



14.8472, 22.8949, 4.4472



11.5205, 22.8949, 11.4277

Triad

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



14.8472, 22.8949, 4.4472



16.3133, 22.8949, 80.4174



38.6681, 22.8949, 22.0196

Complementary

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



14.8472, 22.8949, 4.4472



8.5563, 4.2665, 27.5679

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.



36.7660, 22.8949, 46.2694



14.8472, 22.8949, 4.4472



22.8362, 22.8949, 88.9457

Square

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



14.8472, 22.8949, 4.4472



12.2269, 22.8949, 54.6575



30.5438, 22.8949, 73.9815



35.2854, 22.8949, 8.5827

Rectangle

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



14.8472, 22.8949, 4.4472



10.6951, 22.8949, 21.2523



30.5438, 22.8949, 73.9815



38.6303, 22.8949, 29.0063

Sweetspot

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



14.8477, 22.8959, 4.4477



39.1258, 46.5285, 32.3233



14.6148, 11.3841, 2.2380



8.4915, 10.2520, 6.6925



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.



14.8477, 22.8959, 4.4477



24.0592, 39.3213, 6.3217



11.0053, 20.9151, 4.2679



6.0221, 6.6192, 6.2007



12.1256, 19.6789, 3.1593



0.1823, 0.2583, 0.0403

Inverse Universe

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



8.5563, 4.2665, 27.5679



12.7068, 5.4933, 48.3641



15.9437, 8.0749, 27.9136



5.7267, 5.7501, 7.2778



6.4570, 2.8013, 24.1314



0.1119, 0.0513, 0.2969

Previews

White Background



This preview shows how the XYZ color 14.8472, 22.8949, 4.4472 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 14.8472, 22.8949, 4.4472 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 14.8472, 22.8949, 4.4472

Background



This preview shows how black text looks on a background with the XYZ color 14.8472, 22.8949, 4.4472.



This preview shows how white text looks on a background with the XYZ color 14.8472, 22.8949,

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

14.8472, 22.8949, 4.4472

Protanopia

20.4466, 22.5755, 3.8960

Deuteranopia

23.0431, 22.5420, 4.8056



Tritanopia

20.1340, 22.8407, 30.9513

Trichromacy



Original Color

14.8472, 22.8949, 4.4472

Protanomaly

17.8325, 22.2480, 4.0162

Deuteranomaly

18.9798, 22.0047, 4.5433

Tritanomaly

17.2558, 22.5403, 16.0116

Monochromacy



Original Color

14.8472, 22.8949, 4.4472

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

15.1758, 18.9137, 10.8335

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.8472, 22.8949, 4.4472 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(92, 146, 23)` looks like.

```
.text, #text, p{  
    color:rgb(92, 146, 23)  
}
```

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(92, 146, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 146, 23) }
```

Border

The CSS property to change the border of an element to XYZ 14.8472, 22.8949, 4.4472 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(92, 146, 23) }
```


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

```
.border{ border-color:rgb(92, 146, 23) }
```

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

Here you see how a box with a 4 pixel rgb(92, 146, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 146, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 146, 23);  
box-shadow:4px 4px 4px 4px rgb(92, 146,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 14.8472, 22.8949, 4.4472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 146, 23) }
```

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

```
.background{ background-color: rgb(92, 146,  
23) }
```

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