

Converting Colors

XYZ(14.2812, 22.0972, 12.5505)

Have a look what the booklet for
XYZ(14.2812, 22.0972, 12.5505)
contains.

XYZ(14.3715, 22.2410, 12.5523)	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(14.3715, 22.2410,
12.5523)**

Conversions

Conversions Part 1

Format	Color
Hex	469157
RGB	70, 145, 87
RGB Percent	27%, 57%, 34%
CMY	0.7255, 0.4314, 0.6588
CMYK	0.52, 0.00, 0.40, 0.43
HSL	134°, 35%, 42%
HSV	134°, 52%, 57%
XYZ	14.3715, 22.2410, 12.5523
YIQ	115.9630, -26.0820, -33.9380

Conversions

Conversions Part 2

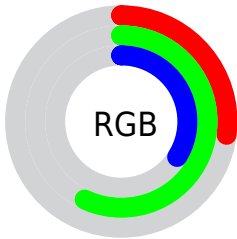
Format	Color
R_{YB}	70, 131, 145
Decimal	4624727
CIE _{Lab}	54.28, -36.57, 23.84
CIE _{LCh}	54, 43.649, 146.899
Yxy	22.2410, 0.2923, 0.4524
Android (android.graphics.Color)	4282814807 (0xFF469157)
YUV	115.9630, -14.2788, -40.3096
Hunter-Lab	47.1604, -28.1351, 17.2315

Details

The XYZ color **14.3715, 22.2410, 12.5523** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **17.7642, 11.9591, 21.7950**, and the grayscale version is **16.6377, 17.5042, 19.0620**.

A 20% lighter version of the original color is **33.4818, 47.3998, 31.0513**, and **4.4733, 8.2038, 3.3552** is the 20% darker color. If you saturate the color by 10%, you get **13.0261, 21.5969, 10.2810**, and if you desaturate by 10%, it is **16.0418, 23.0456, 15.2114**.

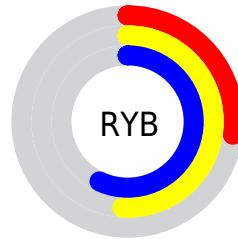
Distribution



Red (27%)

Green (57%)

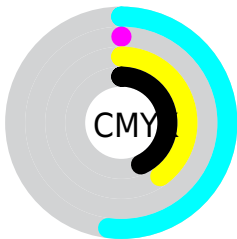
Blue (34%)



Red (27%)

Yellow (51%)

Blue (57%)

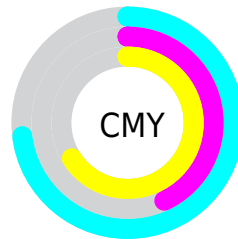


Cyan (52%)

Magenta (0%)

Yellow (40%)

Black (43%)



Cyan (73%)

Magenta (43%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.3715, 22.2410, 12.5523 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 14.3715, 22.2410, 12.5523 by changing the saturation by 10% instead.

■ 14.3715, 22.2410,
12.5523

■ 14.3715, 22.2410,
12.5523

212.9945,
263.8023, 219.1343

■ 8.4629, 14.0341,
6.9939

■ 33.3275, 47.1440,
31.1764

■ 4.4468, 8.1444,
3.3799

■ 47.1057, 64.6089,
45.0792

■ 1.9579, 4.1875,
1.2917

■ 64.2378, 85.9285,
62.6005

■ 0.6102, 1.7790,
0.0550

■ 85.0892, 111.4873,
84.1589

■ 0.0000, 0.4740,
0.0000

■ 110.0252,
141.6697, 110.1730

■ 0.0000, 0.0000,
0.0000

139.4112,

176.8601, 141.0612

173.6125,
217.4428, 177.2421

■ 14.3715, 22.2410,
12.5523

■ 14.3715, 22.2410,
12.5523

■ 13.0261, 21.5969,
10.2810

■ 16.0418, 23.0456,
15.2114

■ 11.9822, 21.0998,
8.3778

■ 18.0551, 24.0178,
18.2736

■ 11.2157, 20.7383,
6.8236

■ 20.4299, 25.1675,
21.7554

■ 10.6980, 20.4980,
5.5970

■ 23.1833, 26.5030,
25.6718

■ 10.3985, 20.3607,
4.8111

■ 26.3308, 28.0323,
30.0372

■ 29.8874, 29.7626,
34.8651

■ 33.8671, 31.7009,
40.1686

■ 38.2833, 33.8540,
45.9603

■ 43.1489, 36.2280,
52.2523

Harmonies

Analogous

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



17.2690, 22.2410, 7.5730



14.3715, 22.2410, 12.5523



13.2650, 22.2410, 22.8286

Triad

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



14.3715, 22.2410, 12.5523



20.6490, 22.2410, 60.8734



30.3802, 22.2410, 14.2017

Complementary

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



14.3715, 22.2410, 12.5523



17.7642, 11.9591, 21.7950

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.



31.6393, 22.2410, 25.6599



14.3715, 22.2410, 12.5523



25.5488, 22.2410, 55.8543

Square

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



14.3715, 22.2410, 12.5523



16.5316, 22.2410, 53.4196



29.7552, 22.2410, 41.5037



26.5325, 22.2410, 8.2441

Rectangle

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



14.3715, 22.2410, 12.5523



13.5464, 22.2410, 32.6482



29.7552, 22.2410, 41.5037



31.1431, 22.2410, 17.3782

Sweetspot

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



14.3721, 22.2419, 12.5528



39.1574, 46.3164, 42.6414



20.2470, 25.3416, 9.6189



8.5142, 10.2081, 9.2057



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.



14.3721, 22.2419, 12.5528



22.9990, 38.5188, 17.8336



16.2741, 23.0028, 22.5690



5.3899, 6.0482, 6.0188



8.9274, 17.4668, 4.1721



0.0925, 0.1699, 0.0777

Inverse Universe

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



17.7642, 11.9591, 21.7950



29.7481, 17.9924, 36.1720



15.7670, 11.1602, 11.2777



5.5747, 5.4904, 6.5242



12.5408, 6.1733, 13.7652



0.1282, 0.0623, 0.1752

Previews

White Background



This preview shows how the XYZ color 14.3715, 22.2410, 12.5523 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 14.3715, 22.2410, 12.5523 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 14.3715, 22.2410, 12.5523

Background



This preview shows how black text looks on a background with the XYZ color 14.3715, 22.2410, 12.5523.



This preview shows how white text looks on a background with the XYZ color 14.3715, 22.2410,

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

14.3715, 22.2410, 12.5523

Protanopia

20.3200, 21.9573, 10.9518

Deuteranopia

22.2763, 21.9603, 13.1899



Tritanopia

18.2596, 22.2782, 31.7715

Trichromacy



Original Color

14.3715, 22.2410, 12.5523

Protanomaly

17.2955, 21.5973, 11.4407

Deuteranomaly

18.2651, 21.4517, 12.8508

Tritanomaly

16.5990, 22.2616, 23.1607

Monochromacy



Original Color

14.3715, 22.2410, 12.5523

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

15.2848, 18.8513, 16.1977

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.3715, 22.2410, 12.5523 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(70, 145, 87)` looks like.

```
.text, #text, p{  
    color:rgb(70, 145, 87)  
}
```

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(70, 145, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 145, 87) }
```

Border

The CSS property to change the border of an element to XYZ 14.3715, 22.2410, 12.5523 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(70, 145, 87) }
```


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

```
.border{ border-color:rgb(70, 145, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 145, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 145, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 145, 87);  
box-shadow:4px 4px 4px 4px rgb(70, 145,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 14.3715, 22.2410, 12.5523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 145, 87) }
```

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

```
.background{ background-color: rgb(70, 145,  
87) }
```

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