

Converting Colors

XYZ(14.2858, 21.5733, 10.2486)

Have a look what the booklet for
XYZ(14.2858, 21.5733, 10.2486)
contains.

XYZ(14.2858, 21.5733, 10.2486)	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(14.2858, 21.5733,
10.2486)**

Conversions

Conversions Part 1

Format	Color
Hex	508E4C
RGB	80, 142, 76
RGB Percent	31%, 56%, 30%
CMY	0.6863, 0.4431, 0.7020
CMYK	0.44, 0.00, 0.46, 0.44
HSL	116°, 30%, 43%
HSV	116°, 46%, 56%
XYZ	14.2858, 21.5733, 10.2486
YIQ	115.9380, -15.7660, -33.6700

Conversions

Conversions Part 2

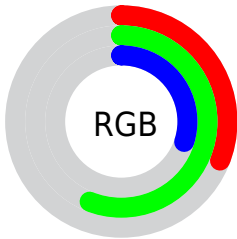
Format	Color
RYB	76, 142, 138
Decimal	5279308
CIELab	53.57, -34.03, 28.97
CIELCh	54, 44.696, 139.591
Yxy	21.5733, 0.3098, 0.4679
Android (android.graphics.Color)	4283469388 (0xFF508E4C)
YUV	115.9380, -19.6894, -31.5176
Hunter-Lab	46.4471, -26.3808, 19.4305

Details

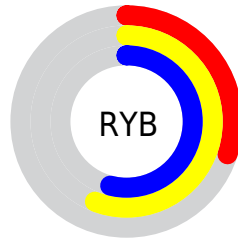
The XYZ color **14.2858, 21.5733, 10.2486** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **17.9492, 12.5258, 27.0640**, and the grayscale version is **16.6438, 17.5106, 19.0690**.

A 20% lighter version of the original color is **33.1787, 45.9728, 26.8636**, and **4.3889, 7.7905, 2.4348** is the 20% darker color. If you saturate the color by 10%, you get **12.8291, 20.8738, 7.8818**, and if you desaturate by 10%, it is **16.0763, 22.4335, 13.2008**.

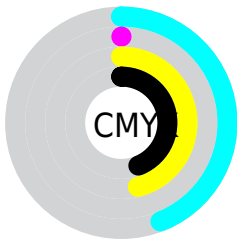
Distribution



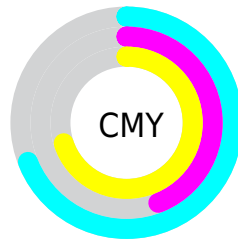
- Red (31%)
- Green (56%)
- Blue (30%)



- Red (30%)
- Yellow (56%)
- Blue (54%)



- Cyan (44%)
- Magenta (0%)
- Yellow (46%)
- Black (44%)



- Cyan (69%)
- Magenta (44%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.2858, 21.5733, 10.2486 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 14.2858, 21.5733, 10.2486 by changing the saturation by 10% instead.

■ 14.2858, 21.5733,
10.2486

■ 14.2858, 21.5733,
10.2486

212.4768,
260.3098, 202.9861

■ 8.4027, 13.5437,
5.4563

■ 33.1773, 46.0397,
26.8771

■ 4.4077, 7.8040,
2.4540

■ 46.9165, 63.2454,
39.5505

■ 1.9353, 3.9698,
0.8157

■ 64.0051, 84.2785,
55.6880

■ 0.5972, 1.6567,
0.0000

■ 84.8085, 109.5234,
75.7082

■ 0.0000, 0.3954,
0.0000

■ 109.6920,
139.3646, 100.0295

■ 0.0000, 0.0000,
0.0000

139.0210,

174.1865, 129.0706

173.1608,
214.3734, 163.2499

■ 14.2858, 21.5733,
10.2486

■ 14.2858, 21.5733,
10.2486

■ 12.8291, 20.8738,
7.8818

■ 16.0763, 22.4335,
13.2008

■ 11.6839, 20.3226,
6.0602

■ 18.2177, 23.4606,
16.7723

■ 10.8279, 19.9097,
4.7407


■ 20.7280, 24.6638,
20.9960


■ 10.2353, 19.6227,
3.8732


■ 23.6233, 26.0508,
25.9022


■ 9.8713, 19.4457,
3.3767


■ 26.9191, 27.6289,
31.5192

 9.7811, 19.4024,
3.2295

 30.6297, 29.4050,
37.8738

 34.7688, 31.3856,
44.9912

 39.3496, 33.5768,
52.8957

 44.3845, 35.9848,
61.6103

Harmonies

Analogous

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



17.5816, 21.5733, 6.4197



14.2858, 21.5733, 10.2486



12.7444, 21.5733, 19.0578

Triad

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



14.2858, 21.5733, 10.2486



18.8925, 21.5733, 59.9369



30.4123, 21.5733, 15.7394

Complementary

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



14.2858, 21.5733, 10.2486



17.9492, 12.5258, 27.0640

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.



30.9090, 21.5733, 28.5603



14.2858, 21.5733, 10.2486



23.7353, 21.5733, 57.9281

Square

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



14.2858, 21.5733, 10.2486



15.1171, 21.5733, 49.6930



28.3084, 21.5733, 44.9537



27.0409, 21.5733, 8.6320

Rectangle

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



14.2858, 21.5733, 10.2486



12.7279, 21.5733, 28.1420



28.3084, 21.5733, 44.9537



30.9389, 21.5733, 19.3806

Sweetspot

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



14.2863, 21.5742, 10.2491



37.6083, 43.9974, 38.8110



21.4920, 24.3361, 10.4024



8.1929, 9.7278, 8.3187



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



14.2863, 21.5742, 10.2491



22.4664, 36.7328, 13.6482



15.1835, 21.8952, 16.6836



5.3713, 6.0440, 5.7729



8.7874, 17.4227, 2.8998



0.0888, 0.1691, 0.0279

Inverse Universe

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



17.9492, 12.5258, 27.0640



29.7522, 18.6874, 47.1668



16.7438, 12.1215, 17.1990



5.5944, 5.4946, 6.7945



13.1304, 6.2626, 23.4938



0.1319, 0.0631, 0.2249

Previews

White Background



This preview shows how the XYZ color 14.2858, 21.5733, 10.2486 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 14.2858, 21.5733, 10.2486 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 14.2858, 21.5733, 10.2486

Background



This preview shows how black text looks on a background with the XYZ color 14.2858, 21.5733, 10.2486.



This preview shows how white text looks on a background with the XYZ color 14.2858, 21.5733,

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

14.2858, 21.5733, 10.2486

Protanopia

19.5419, 21.2091, 9.0250

Deuteranopia

21.7712, 21.3832, 10.7645



Tritanopia

18.2520, 21.4742, 29.9710

Trichromacy



Original Color

14.2858, 21.5733, 10.2486

Protanomaly

16.9251, 20.8351, 9.4329

Deuteranomaly

18.0139, 20.7771, 10.4581

Tritanomaly

16.4556, 21.3712, 21.0271

Monochromacy



Original Color

14.2858, 21.5733, 10.2486

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

15.2761, 18.4904, 15.0758

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.2858, 21.5733, 10.2486 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(80, 142, 76)` looks like.

```
.text, #text, p{  
    color:rgb(80, 142, 76)  
}
```

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(80, 142, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 142, 76) }
```

Border

The CSS property to change the border of an element to XYZ 14.2858, 21.5733, 10.2486 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(80, 142, 76) }
```


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

```
.border{ border-color:rgb(80, 142, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 142, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 142, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 142, 76);  
box-shadow:4px 4px 4px 4px rgb(80, 142,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 14.2858, 21.5733, 10.2486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 142, 76) }
```

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

```
.background{ background-color: rgb(80, 142,  
76) }
```

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