

Converting Colors

XYZ(10.2402, 14.2868, 8.6902)

Have a look what the booklet for
XYZ(10.2402, 14.2868, 8.6902)
contains.

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Color

**XYZ(10.1908, 14.2117,
8.6846)**

Conversions

Conversions Part 1

Format	Color
Hex	4A734A
RGB	74, 115, 74
RGB Percent	29%, 45%, 29%
CMY	0.7098, 0.5490, 0.7098
CMYK	0.36, 0.00, 0.36, 0.55
HSL	120°, 22%, 37%
HSV	120°, 36%, 45%
XYZ	10.1908, 14.2117, 8.6846
YIQ	98.0670, -11.2750, -21.4430

Conversions

Conversions Part 2

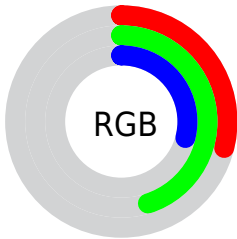
Format	Color
RYB	74, 115, 115
Decimal	4879178
CIELab	44.54, -23.39, 18.28
CIELCh	45, 29.687, 141.995
Yxy	14.2117, 0.3080, 0.4295
Android (android.graphics.Color)	4283069258 (0xFF4A734A)
YUV	98.0670, -11.8650, -21.1068
Hunter-Lab	37.6984, -17.7193, 12.7302

Details

The XYZ color **10.1908, 14.2117, 8.6846** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **12.6140, 9.7805, 17.4432**, and the grayscale version is **11.6570, 12.2641, 13.3556**.

A 20% lighter version of the original color is **25.7060, 33.3526, 23.8217**, and **2.5960, 4.2047, 1.8372** is the 20% darker color. If you saturate the color by 10%, you get **9.0325, 13.6557, 6.7896**, and if you desaturate by 10%, it is **11.5826, 14.8807, 10.9609**.

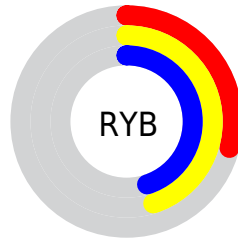
Distribution



 Red (29%)

 Green (45%)

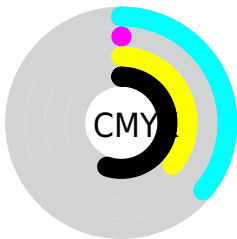
 Blue (29%)



 Red (29%)

 Yellow (45%)

 Blue (45%)

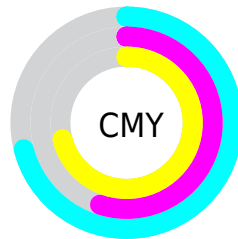


 Cyan (36%)

 Magenta (0%)

 Yellow (36%)

 Black (55%)



 Cyan (71%)

 Magenta (55%)

 Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.1908, 14.2117, 8.6846 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 10.1908, 14.2117, 8.6846 by changing the saturation by 10% instead.

■ 10.1908, 14.2117,
8.6846

■ 10.1908, 14.2117,
8.6846

186.0538,
218.5439, 191.1379

■ 5.5889, 8.2681,
4.4420

■ 25.8002, 33.4642,
23.8579

■ 2.6350, 4.2669,
1.8708

■ 37.5384, 47.5418,
35.6258

■ 0.9638, 1.8240,
0.4741

■ 52.3860, 65.0996,
50.7392

■ 0.0000, 0.5021,
0.0000

■ 70.7085, 86.5218,
69.6167

■ 0.0000, 0.0000,
0.0000

■ 92.8712, 112.1930,
92.6767

119.2394,

142.4975, 120.3379

150.1784,
177.8196, 153.0188

■ 10.1908, 14.2117,
8.6846

■ 10.1908, 14.2117,
8.6846

■ 9.0325, 13.6557,
6.7896

■ 11.5826, 14.8807,
10.9609

■ 8.0938, 13.2048,
5.2543

■ 13.2186, 15.6665,
13.6369

■ 7.3613, 12.8530,
4.0562

■ 15.1100, 16.5751,
16.7306

■ 6.8195, 12.5927,
3.1699

■ 17.2672, 17.6113,
20.2590

■ 6.4506, 12.4155,
2.5665

■ 19.6998, 18.7798,
24.2380

■ 6.2210, 12.3052,
2.1909

■ 22.4171, 20.0850,
28.6825

■ 6.1310, 12.2620,
2.0437

■ 25.4279, 21.5313,
33.6071

■ 28.7405, 23.1225,
39.0255

■ 32.3631, 24.8626,
44.9509

Harmonies

Analogous

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



11.8535, 14.2117, 6.1759



10.1908, 14.2117, 8.6846



9.4372, 14.2117, 13.7072

Triad

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



10.1908, 14.2117, 8.6846



12.8759, 14.2117, 32.5787



18.2497, 14.2117, 11.0368

Complementary

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



10.1908, 14.2117, 8.6846



12.6140, 9.7805, 17.4432

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.



18.6072, 14.2117, 17.3867



10.1908, 14.2117, 8.6846



15.3092, 14.2117, 31.2304

Square

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



10.1908, 14.2117, 8.6846



10.8632, 14.2117, 28.3848



17.4762, 14.2117, 25.1115



16.5502, 14.2117, 7.2273

Rectangle

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



10.1908, 14.2117, 8.6846



9.4812, 14.2117, 18.3838



17.4762, 14.2117, 25.1115



18.5383, 14.2117, 12.8889

Sweetspot

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



10.1912, 14.2123, 8.6849



25.0901, 28.7352, 26.7420



14.4376, 16.4014, 8.8835



5.9032, 6.8156, 6.2449



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



10.1912, 14.2123, 8.6849



16.4636, 24.5915, 12.6319



10.9981, 14.5351, 12.9339



3.6406, 4.0982, 3.9415



7.0088, 14.0175, 2.3363



34.1546, 68.3091, 11.3850

Inverse Universe

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



12.6140, 9.7805, 17.4432



21.5103, 15.3601, 30.8751



11.5623, 9.3598, 11.9053



3.8266, 3.7579, 4.6139



11.6204, 5.5819, 19.0069



56.6275, 27.2011, 92.6227

Previews

White Background



This preview shows how the XYZ color 10.1908, 14.2117, 8.6846 looks on a white 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

Black Background



This preview shows how the XYZ color 10.1908, 14.2117, 8.6846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

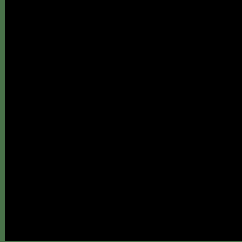
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.1908, 14.2117, 8.6846

Background



This preview shows how black text looks on a background with the XYZ color 10.1908, 14.2117, 8.6846.



This preview shows how white text looks on a background with the XYZ color 10.1908, 14.2117,

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

10.1908, 14.2117, 8.6846

Protanopia

13.0965, 14.1228, 7.8301

Deuteranopia

14.3054, 14.1283, 8.9942



Tritanopia

12.3256, 14.2537, 19.2412

Trichromacy



Original Color

10.1908, 14.2117, 8.6846

Protanomaly

11.7516, 14.0449, 8.0528

Deuteranomaly

12.4024, 13.8940, 8.8656

Tritanomaly

11.4169, 14.2099, 14.7114

Monochromacy



Original Color

10.1908, 14.2117, 8.6846

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

10.8733, 12.7457, 11.3383

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.1908, 14.2117, 8.6846 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(74, 115, 74)` looks like.

```
.text, #text, p{  
    color:rgb(74, 115, 74)  
}
```

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(74, 115, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 115, 74) }
```

Border

The CSS property to change the border of an element to XYZ 10.1908, 14.2117, 8.6846 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(74, 115, 74) }
```


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

```
.border{ border-color:rgb(74, 115, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 115, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 115, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 115, 74);  
box-shadow:4px 4px 4px 4px rgb(74, 115,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 10.1908, 14.2117, 8.6846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 115, 74) }
```

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

```
.background{ background-color: rgb(74, 115,  
74) }
```

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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