

Converting Colors

XYZ(10.0898, 14.6921, 8.0679)

Have a look what the booklet for
XYZ(10.0898, 14.6921, 8.0679)
contains.

XYZ(10.1097, 14.7012, 8.0991)	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(10.1097, 14.7012,
8.0991)**

Conversions

Conversions Part 1

Format	Color
Hex	467646
RGB	70, 118, 70
RGB Percent	27%, 46%, 27%
CMY	0.7255, 0.5372, 0.7255
CMYK	0.41, 0.00, 0.41, 0.54
HSL	120°, 26%, 37%
HSV	120°, 41%, 46%
XYZ	10.1097, 14.7012, 8.0991
YIQ	98.1760, -13.2000, -25.1040

Conversions

Conversions Part 2

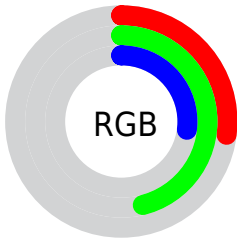
Format	Color
RYB	70, 118, 118
Decimal	4617798
CIELab	45.22, -26.99, 21.44
CIELCh	45, 34.469, 141.528
Yxy	14.7012, 0.3072, 0.4467
Android (android.graphics.Color)	4282807878 (0xFF467646)
YUV	98.1760, -13.8908, -24.7104
Hunter-Lab	38.3421, -20.0335, 14.3155

Details

The XYZ color **10.1097, 14.7012, 8.0991** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **12.9319, 9.5401, 18.2999**, and the grayscale version is **11.6895, 12.2982, 13.3928**.

A 20% lighter version of the original color is **25.7778, 34.5227, 22.7577**, and **2.5921, 4.4752, 1.6469** is the 20% darker color. If you saturate the color by 10%, you get **9.0042, 14.1706, 6.2905**, and if you desaturate by 10%, it is **11.4565, 15.3486, 10.3018**.

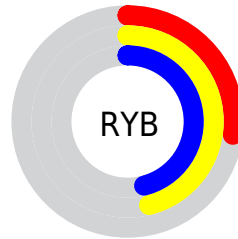
Distribution



Red (27%)

Green (46%)

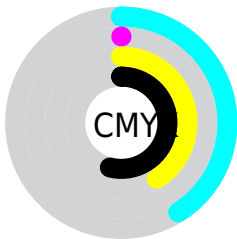
Blue (27%)



Red (27%)

Yellow (46%)

Blue (46%)

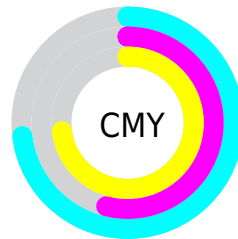


Cyan (41%)

Magenta (0%)

Yellow (41%)

Black (54%)



Cyan (73%)

Magenta (54%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.1097, 14.7012, 8.0991 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 10.1097, 14.7012, 8.0991 by changing the saturation by 10% instead.

■ 10.1097, 14.7012,
8.0991

■ 10.1097, 14.7012,
8.0991

185.4905,
221.5505, 186.4708

■ 5.5346, 8.6100,
4.0697

■ 25.6494, 34.3281,
22.7019

■ 2.6021, 4.4877,
1.6637

■ 37.3448, 48.6326,
34.1123

■ 0.9470, 1.9499,
0.3357

■ 52.1442, 66.4436,
48.8203

■ 0.0000, 0.5781,
0.0000

■ 70.4131, 88.1456,
67.2442

■ 0.0000, 0.0000,
0.0000

■ 92.5168, 114.1228,
89.8027

118.8208,

144.7598, 116.9143

149.6902,
180.4409, 148.9974

■ 10.1097, 14.7012,
8.0991

■ 10.1097, 14.7012,
8.0991

■ 9.0042, 14.1706,
6.2905

■ 11.4565, 15.3486,
10.3018

■ 8.1246, 13.7481,
4.8519

■ 13.0565, 16.1171,
12.9188

■ 7.4559, 13.4269,
3.7579

■ 14.9221, 17.0133,
15.9704

■ 6.9802, 13.1984,
2.9799

■ 17.0646, 18.0425,
19.4748

■ 6.6772, 13.0528,
2.4842

■ 19.4947, 19.2098,
23.4496

■ 6.4788, 12.9575,
2.1597

■ 22.2225, 20.5200,
27.9113

■ 25.2575, 21.9779,
32.8754

■ 28.6089, 23.5877,
38.3572

■ 32.2854, 25.3538,
44.3708

Harmonies

Analogous

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



12.0586, 14.7012, 5.4023



10.1097, 14.7012, 8.0991



9.2269, 14.7012, 13.8063

Triad

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



10.1097, 14.7012, 8.0991



13.1818, 14.7012, 37.0660



19.7104, 14.7012, 10.9147

Complementary

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



10.1097, 14.7012, 8.0991



12.9319, 9.5401, 18.2999

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.



20.1185, 14.7012, 18.4302



10.1097, 14.7012, 8.0991



16.0802, 14.7012, 35.4741

Square

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



10.1097, 14.7012, 8.0991



10.8360, 14.7012, 31.6903



18.7132, 14.7012, 27.8789



17.6638, 14.7012, 6.6013

Rectangle

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



10.1097, 14.7012, 8.0991



9.2654, 14.7012, 19.3500



18.7132, 14.7012, 27.8789



20.0539, 14.7012, 13.0733

Sweetspot

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



10.1101, 14.7018, 8.0994



25.6730, 29.6427, 27.1577



15.0558, 17.2515, 8.3307



5.8289, 6.7799, 6.1233



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.



10.1101, 14.7018, 8.0994



15.9119, 24.9540, 11.1917



11.0250, 15.0678, 12.9173



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.



12.9319, 9.5401, 18.2999



21.6130, 14.5252, 31.8007



11.6822, 9.0402, 11.7192



3.8266, 3.7579, 4.6139



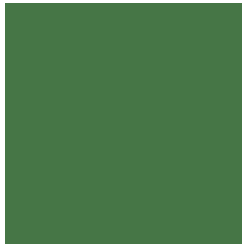
11.6203, 5.5818, 19.0065



56.6271, 27.2010, 92.6207

Previews

White Background



This preview shows how the XYZ color 10.1097, 14.7012, 8.0991 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 10.1097, 14.7012, 8.0991 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 10.1097, 14.7012, 8.0991

Background



This preview shows how black text looks on a background with the XYZ color 10.1097, 14.7012, 8.0991.



This preview shows how white text looks on a background with the XYZ color 10.1097, 14.7012,

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

10.1097, 14.7012, 8.0991

Protanopia

13.4435, 14.6217, 7.2680

Deuteranopia

14.7398, 14.5092, 8.5022



Tritanopia

12.5536, 14.6743, 20.2599

Trichromacy



Original Color

10.1097, 14.7012, 8.0991

Protanomaly

11.8431, 14.4268, 7.4706

Deuteranomaly

12.5090, 14.2703, 8.3985

Tritanomaly

11.3961, 14.5304, 14.7744

Monochromacy



Original Color

10.1097, 14.7012, 8.0991

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

10.8375, 12.8824, 11.1479

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.1097, 14.7012, 8.0991 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, 118, 70)` looks like.

```
.text, #text, p{  
    color:rgb(70, 118, 70)  
}
```

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, 118, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 118, 70) }
```

Border

The CSS property to change the border of an element to XYZ 10.1097, 14.7012, 8.0991 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, 118, 70) }
```


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

```
.border{ border-color:rgb(70, 118, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 118, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 118, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 118, 70);  
box-shadow:4px 4px 4px 4px rgb(70, 118,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 10.1097, 14.7012, 8.0991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 118, 70) }
```

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

```
.background{ background-color: rgb(70, 118,  
70) }
```

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