

Converting Colors

XYZ(14.9938, 22.2498, 12.9528)

Have a look what the booklet for
XYZ(14.9938, 22.2498, 12.9528)
contains.

XYZ(15.0847, 22.3733, 12.9746)	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(15.0847, 22.3733,
12.9746)**

Conversions

Conversions Part 1

Format	Color
Hex	509059
RGB	80, 144, 89
RGB Percent	31%, 56%, 35%
CMY	0.6863, 0.4353, 0.6510
CMYK	0.44, 0.00, 0.38, 0.44
HSL	128°, 29%, 44%
HSV	128°, 44%, 56%
XYZ	15.0847, 22.3733, 12.9746
YIQ	118.5940, -20.4890, -30.6730

Conversions

Conversions Part 2

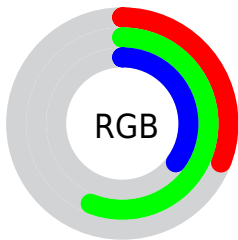
Format	Color
R_{YB}	80, 136, 144
Decimal	5279833
CIE _{Lab}	54.42, -32.83, 23.00
CIE _{LCh}	54, 40.083, 144.988
Yxy	22.3733, 0.2991, 0.4436
Android (android.graphics.Color)	4283469913 (0xFF509059)
YUV	118.5940, -14.5898, -33.8469
Hunter-Lab	47.3004, -25.8498, 16.8469

Details

The XYZ color **15.0847, 22.3733, 12.9746** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **18.7442, 13.4163, 24.5242**, and the grayscale version is **17.4560, 18.3651, 19.9996**.

A 20% lighter version of the original color is **34.6006, 47.2682, 32.1110**, and **4.7843, 8.2289, 3.5267** is the 20% darker color. If you saturate the color by 10%, you get **13.5200, 21.6224, 10.4132**, and if you desaturate by 10%, it is **16.9985, 23.2954, 16.0094**.

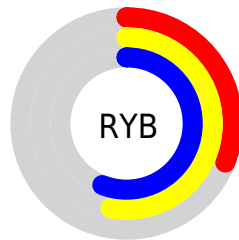
Distribution



Red (31%)

Green (56%)

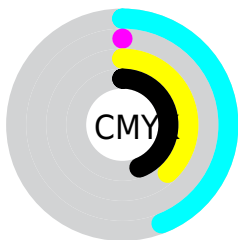
Blue (35%)



Red (31%)

Yellow (53%)

Blue (56%)

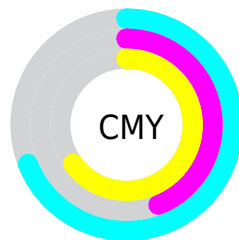


Cyan (44%)

Magenta (0%)

Yellow (38%)

Black (44%)



Cyan (69%)

Magenta (44%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.0847, 22.3733, 12.9746 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 15.0847, 22.3733, 12.9746 by changing the saturation by 10% instead.

■ 15.0847, 22.3733,
12.9746

■ 15.0847, 22.3733,
12.9746

217.2565,
264.4896, 221.9569

■ 8.9656, 14.1315,
7.2805

■ 34.5721, 47.3622,
31.9487

■ 4.7757, 8.2121,
3.5571

■ 48.6711, 64.8781,
46.0657

■ 2.1496, 4.2310,
1.3856

■ 66.1608, 86.2540,
63.8276

■ 0.7160, 1.8036,
0.1305

■ 87.4065, 111.8745,
85.6527

■ 0.0000, 0.4894,
0.0000

■ 112.7736,
142.1239, 111.9597

■ 0.0000, 0.0000,
0.0000

142.6273,

177.3867, 143.1670

177.3332,
218.0471, 179.6932

■ 15.0847, 22.3733,
12.9746

■ 15.0847, 22.3733,
12.9746

■ 13.5200, 21.6224,
10.4132

■ 16.9985, 23.2954,
16.0094

■ 12.2816, 21.0295,
8.2998

■ 19.2791, 24.3953,
19.5383

■ 11.3465, 20.5839,
6.6093


■ 21.9451, 25.6829,
23.5823


■ 10.6880, 20.2724,
5.3129


■ 25.0131, 27.1664,
28.1611


■ 10.2731, 20.0788,
4.3787


■ 28.4990, 28.8534,
33.2931

 10.1022, 19.9988,
4.0013

 32.4176, 30.7514,
38.9960

 36.7832, 32.8672,
45.2866

 41.6093, 35.2076,
52.1811

 46.9088, 37.7787,
59.6950

Harmonies

Analogous

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



17.9013, 22.3733, 8.3834



15.0847, 22.3733, 12.9746



13.9286, 22.3733, 22.3132

Triad

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



15.0847, 22.3733, 12.9746



20.5377, 22.3733, 57.1656



29.8513, 22.3733, 15.5241

Complementary

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



15.0847, 22.3733, 12.9746



18.7442, 13.4163, 24.5242

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.



30.8096, 22.3733, 26.5298



15.0847, 22.3733, 12.9746



25.0261, 22.3733, 53.4251

Square

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



15.0847, 22.3733, 12.9746



16.7887, 22.3733, 49.9458



28.9381, 22.3733, 40.9906



26.4740, 22.3733, 9.4617

Rectangle

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



15.0847, 22.3733, 12.9746



14.1214, 22.3733, 31.1482



28.9381, 22.3733, 40.9906



30.4850, 22.3733, 18.6387

Sweetspot

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



15.0853, 22.3742, 12.9751



39.3045, 45.5868, 42.4939



21.4891, 25.7166, 11.4207



8.7789, 10.3407, 9.3922



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.



15.0853, 22.3742, 12.9751



23.9339, 38.1777, 18.5136



16.7048, 23.0220, 21.5034



5.3719, 6.0410, 5.9241



8.8025, 17.4169, 3.5142



0.0889, 0.1684, 0.0587

Inverse Universe

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



18.7442, 13.4163, 24.5242



31.2071, 20.3431, 41.4503



16.8426, 12.6557, 14.5106



5.5941, 5.4982, 6.6265



13.1766, 6.4276, 17.1129



0.1318, 0.0638, 0.1941

Previews

White Background



This preview shows how the XYZ color 15.0847, 22.3733, 12.9746 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 15.0847, 22.3733, 12.9746 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 15.0847, 22.3733, 12.9746

Background



This preview shows how black text looks on a background with the XYZ color 15.0847, 22.3733, 12.9746.



This preview shows how white text looks on a background with the XYZ color 15.0847, 22.3733,

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

15.0847, 22.3733, 12.9746

Protanopia

20.3961, 21.9878, 11.3527

Deuteranopia

22.5545, 22.0935, 13.6654



Tritanopia

18.8052, 22.3566, 31.3411

Trichromacy



Original Color

15.0847, 22.3733, 12.9746

Protanomaly

17.7725, 21.6280, 11.8322

Deuteranomaly

18.8005, 21.5173, 13.2876

Tritanomaly

17.2334, 22.3632, 23.4869

Monochromacy



Original Color

15.0847, 22.3733, 12.9746

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.2516, 19.5243, 17.0994

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0847, 22.3733, 12.9746 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, 144, 89)` looks like.

```
.text, #text, p{  
    color:rgb(80, 144, 89)  
}
```

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, 144, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 144, 89) }
```

Border

The CSS property to change the border of an element to XYZ 15.0847, 22.3733, 12.9746 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, 144, 89) }
```


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

```
.border{ border-color:rgb(80, 144, 89) }
```

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

Here you see how a box with a 4 pixel rgb(80, 144, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 144, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 144, 89);  
box-shadow:4px 4px 4px 4px rgb(80, 144,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0847, 22.3733, 12.9746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 144, 89) }
```

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

```
.background{ background-color: rgb(80, 144,  
89) }
```

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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