

Converting Colors

XYZ(15.4736, 23.3325, 9.9917)

Have a look what the booklet for
XYZ(15.4736, 23.3325, 9.9917)
contains.

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Color

**XYZ(15.4741, 23.3269,
9.9903)**

Conversions

Conversions Part 1

Format	Color
Hex	569349
RGB	86, 147, 73
RGB Percent	34%, 58%, 29%
CMY	0.6627, 0.4235, 0.7137
CMYK	0.41, 0.00, 0.50, 0.42
HSL	109°, 34%, 43%
HSV	109°, 50%, 58%
XYZ	15.4741, 23.3269, 9.9903
YIQ	120.3250, -12.6020, -35.9460

Conversions

Conversions Part 2

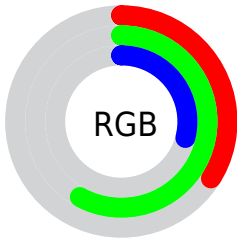
Format	Color
RYB	73, 147, 134
Decimal	5673801
CIELab	55.41, -34.77, 32.91
CIElCh	55, 47.877, 136.576
Yxy	23.3269, 0.3171, 0.4781
Android (android.graphics.Color)	4283863881 (0xFF569349)
YUV	120.3250, -23.3312, -30.1030
Hunter-Lab	48.2979, -27.3320, 21.5446

Details

The XYZ color **15.4741, 23.3269, 9.9903** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **17.4815, 11.9407, 28.9884**, and the grayscale version is **18.0326, 18.9717, 20.6602**.

A 20% lighter version of the original color is **35.1093, 48.6923, 26.2870**, and **4.9855, 8.7593, 2.3476** is the 20% darker color. If you saturate the color by 10%, you get **14.0206, 22.6281, 7.6721**, and if you desaturate by 10%, it is **17.2332, 24.1713, 12.9252**.

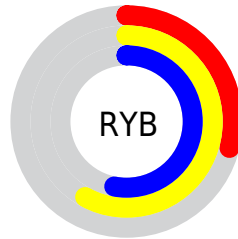
Distribution



Red (34%)

Green (58%)

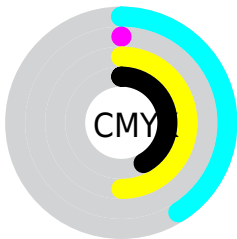
Blue (29%)



Red (29%)

Yellow (58%)

Blue (53%)

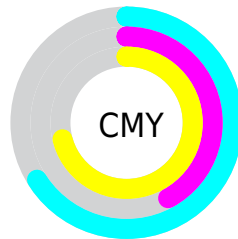


Cyan (41%)

Magenta (0%)

Yellow (50%)

Black (42%)



Cyan (66%)

Magenta (42%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4741, 23.3269, 9.9903 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 15.4741, 23.3269, 9.9903 by changing the saturation by 10% instead.

■ 15.4741, 23.3269,
9.9903

■ 15.4741, 23.3269,
9.9903

219.5501,
269.3996, 201.0851

■ 9.2413, 14.8351,
5.2870

■ 35.2476, 48.9295,
26.3848

■ 4.9573, 8.7037,
2.3550

■ 49.5191, 66.8091,
38.9131

■ 2.2567, 4.5484,
0.7618

■ 67.2007, 88.5868,
54.8867

■ 0.7724, 1.9848,
0.0000

■ 88.6580, 114.6469,
74.7244

■ 0.0000, 0.5986,
0.0000

■ 114.2562,
145.3738, 98.8445

■ 0.0000, 0.0000,
0.0000

144.3607,

181.1520, 127.6656

179.3369,
222.3658, 161.6063

■ 15.4741, 23.3269,
9.9903

■ 15.4741, 23.3269,
9.9903

■ 14.0206, 22.6281,
7.6721

■ 17.2332, 24.1713,
12.9252

■ 12.8532, 22.0638,
5.9251

■ 19.3124, 25.1659,
16.5149

■ 11.9528, 21.6257,
4.7002

■ 21.7275, 26.3187,
20.7962

■ 11.2969, 21.3038,
3.9393

■ 24.4927, 27.6362,
25.8027

■ 10.8557, 21.0856,
3.4978

■ 27.6212, 29.1247,
31.5658

■ 31.1257, 30.7900,
38.1151

■ 35.0182, 32.6377,
45.4786

■ 39.3101, 34.6731,
53.6830

■ 44.0125, 36.9014,
62.7536

Harmonies

Analogous

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



19.3489, 23.3269, 6.2692



15.4741, 23.3269, 9.9903



13.5537, 23.3269, 19.1223

Triad

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



15.4741, 23.3269, 9.9903



19.8552, 23.3269, 66.4968



33.6397, 23.3269, 17.8489

Complementary

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



15.4741, 23.3269, 9.9903



17.4815, 11.9407, 28.9884

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.



33.8346, 23.3269, 32.9179



15.4741, 23.3269, 9.9903



25.2561, 23.3269, 65.6987

Square

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



15.4741, 23.3269, 9.9903



15.7929, 23.3269, 53.5700



30.5668, 23.3269, 51.6970



30.0711, 23.3269, 9.3843

Rectangle

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



15.4741, 23.3269, 9.9903



13.3997, 23.3269, 28.9457



30.5668, 23.3269, 51.6970



34.1198, 23.3269, 22.1546

Sweetspot

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



15.4747, 23.3279, 9.9908



41.3209, 48.2806, 41.5864



21.6832, 23.5791, 9.7121



9.2187, 10.9194, 9.1066



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



15.4747, 23.3279, 9.9908



24.9006, 40.4221, 13.4188



15.3134, 23.1375, 14.8307



5.8190, 6.5145, 6.1912



9.4267, 18.2875, 3.0330



0.1331, 0.2330, 0.0380

Inverse Universe

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



17.4815, 11.9407, 28.9884



28.8654, 17.6791, 51.3256



18.0267, 12.4130, 20.3721



5.9364, 5.8582, 7.2876



11.4418, 5.3711, 24.3647



0.1611, 0.0766, 0.2992

Previews

White Background



This preview shows how the XYZ color 15.4741, 23.3269, 9.9903 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 15.4741, 23.3269, 9.9903 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 15.4741, 23.3269, 9.9903

Background



This preview shows how black text looks on a background with the XYZ color 15.4741, 23.3269, 9.9903.



This preview shows how white text looks on a background with the XYZ color 15.4741, 23.3269, 9.9903.

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

15.4741, 23.3269, 9.9903

Protanopia

21.1487, 23.0309, 8.7996

Deuteranopia

23.3332, 22.9454, 10.4068



Tritanopia

19.9932, 23.3766, 32.3125

Trichromacy



Original Color

15.4741, 23.3269, 9.9903

Protanomaly

18.3633, 22.6186, 9.1923

Deuteranomaly

19.5025, 22.5585, 10.1638

Tritanomaly

17.9052, 23.1840, 21.9436

Monochromacy



Original Color

15.4741, 23.3269, 9.9903

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

16.6152, 20.1327, 15.8422

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4741, 23.3269, 9.9903 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(86, 147, 73)` looks like.

```
.text, #text, p{  
    color:rgb(86, 147, 73)  
}
```

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(86, 147, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 147, 73) }
```

Border

The CSS property to change the border of an element to XYZ 15.4741, 23.3269, 9.9903 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(86, 147, 73) }
```


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

```
.border{ border-color:rgb(86, 147, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 147, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 147, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 147, 73);  
box-shadow:4px 4px 4px 4px rgb(86, 147,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4741, 23.3269, 9.9903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 147, 73) }
```

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

```
.background{ background-color: rgb(86, 147,  
73) }
```

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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