

Converting Colors

XYZ(9.7831, 14.7230, 6.3432)

Have a look what the booklet for
XYZ(9.7831, 14.7230, 6.3432)
contains.

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Color

**XYZ(9.8148, 14.7643,
6.3355)**

Conversions

Conversions Part 1

Format	Color
Hex	45773A
RGB	69, 119, 58
RGB Percent	27%, 47%, 23%
CMY	0.7294, 0.5333, 0.7725
CMYK	0.42, 0.00, 0.51, 0.53
HSL	109°, 34%, 35%
HSV	109°, 51%, 47%
XYZ	9.8148, 14.7643, 6.3355
YIQ	97.0960, -10.2190, -29.5710

Conversions

Conversions Part 2

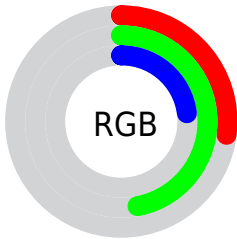
Format	Color
RYB	58, 119, 108
Decimal	4552506
CIELab	45.31, -29.69, 28.21
CIElCh	45, 40.952, 136.468
Yxy	14.7643, 0.3175, 0.4776
Android (android.graphics.Color)	4282742586 (0xFF45773A)
YUV	97.0960, -19.2743, -24.6402
Hunter-Lab	38.4243, -21.6480, 17.1212

Details

The XYZ color **9.8148, 14.7643, 6.3355** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **11.0278, 7.5466, 18.3289**, and the grayscale version is **11.4339, 12.0294, 13.1000**.

A 20% lighter version of the original color is **25.1521, 34.5597, 19.2549**, and **2.4877, 4.5260, 1.0903** is the 20% darker color. If you saturate the color by 10%, you get **8.9105, 14.3296, 4.8915**, and if you desaturate by 10%, it is **10.9036, 15.2869, 8.1541**.

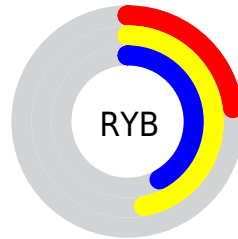
Distribution



Red (27%)

Green (47%)

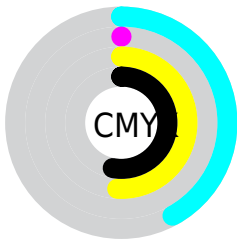
Blue (23%)



Red (23%)

Yellow (47%)

Blue (42%)

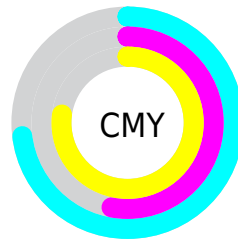


Cyan (42%)

Magenta (0%)

Yellow (51%)

Black (53%)



Cyan (73%)

Magenta (53%)

Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.8148, 14.7643, 6.3355 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 9.8148, 14.7643, 6.3355 by changing the saturation by 10% instead.

■ 9.8148, 14.7643,
6.3355

■ 9.8148, 14.7643,
6.3355

183.4265,
221.9351, 171.4378

■ 5.3377, 8.6541,
2.9781

■ 25.0994, 34.4392,
19.1129

■ 2.4835, 4.5163,
1.0834

■ 36.6376, 48.7726,
29.3700

■ 0.8869, 1.9664,
0.0000

■ 51.2602, 66.6160,
42.7641

■ 0.0000, 0.5878,
0.0000

■ 69.3325, 88.3537,
59.7137

■ 0.0000, 0.0000,
0.0000

■ 91.2200, 114.3700,
80.6373

■ 117.2879,

145.0495, 105.9535

147.9016,
180.7764, 136.0808

■ 9.8148, 14.7643,
6.3355

■ 9.8148, 14.7643,
6.3355

■ 8.9105, 14.3296,
4.8915

■ 10.9036, 15.2869,
8.1541

■ 8.1792, 13.9761,
3.7952

■ 12.1855, 15.9000,
10.3700

■ 7.6097, 13.6991,
3.0175

■ 13.6697, 16.6084,
13.0051

■ 7.1890, 13.4927,
2.5242

■ 15.3646, 17.4159,
16.0794

■ 6.9161, 13.3587,
2.2140

■ 17.2781, 18.3261,
19.6117

■ 19.4176, 19.3426,
23.6197

■ 21.7903, 20.4686,
28.1202

■ 24.4029, 21.7073,
33.1290

■ 27.2620, 23.0617,
38.6613

Harmonies

Analogous

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



12.2637, 14.7643, 3.9907



9.8148, 14.7643, 6.3355



8.5979, 14.7643, 12.0883

Triad

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



9.8148, 14.7643, 6.3355



12.5612, 14.7643, 41.9419



21.2650, 14.7643, 11.3398

Complementary

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



9.8148, 14.7643, 6.3355



11.0278, 7.5466, 18.3289

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.



21.3793, 14.7643, 20.8560



9.8148, 14.7643, 6.3355



15.9648, 14.7643, 41.4741

Square

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



9.8148, 14.7643, 6.3355



10.0022, 14.7643, 33.7819



19.3140, 14.7643, 32.6837



19.0231, 14.7643, 5.9786

Rectangle

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



9.8148, 14.7643, 6.3355



8.4976, 14.7643, 18.2736



19.3140, 14.7643, 32.6837



21.5647, 14.7643, 14.0617

Sweetspot

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



9.8152, 14.7649, 6.3358



26.2153, 30.5680, 26.4264



13.7153, 14.9145, 6.1591



6.0899, 7.1858, 6.0399



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



9.8152, 14.7649, 6.3358



15.6256, 25.5001, 8.2510



9.6929, 14.6341, 9.3941



3.6966, 4.1271, 3.9441



7.3412, 14.1889, 2.3518



35.2394, 68.8683, 11.4356

Inverse Universe

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



11.0278, 7.5466, 18.3289



18.0401, 10.9412, 32.4141



11.4062, 7.8624, 12.8933



3.7650, 3.7262, 4.6110



8.8298, 4.1432, 18.8769



42.3723, 19.8522, 91.9589

Previews

White Background



This preview shows how the XYZ color 9.8148, 14.7643, 6.3355 looks on a white background.

Color Contrast Check

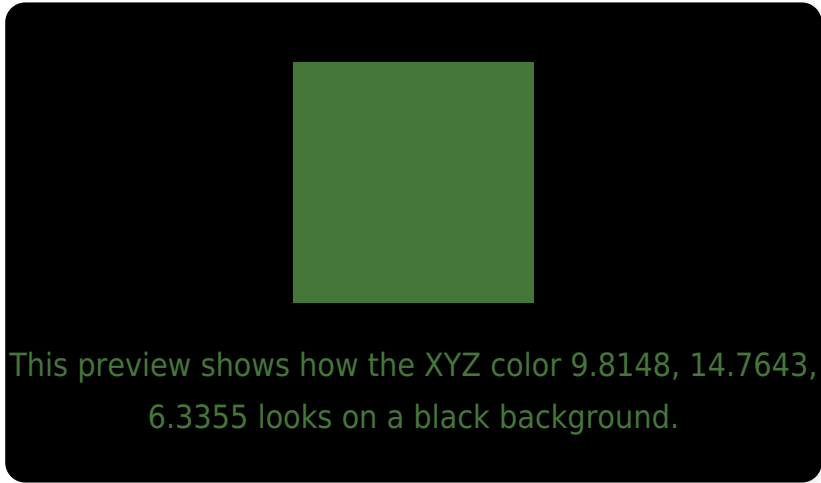
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 9.8148, 14.7643, 6.3355

Background



This preview shows how black text looks on a background with the XYZ color 9.8148, 14.7643, 6.3355.



This preview shows how white text looks on a background with the XYZ color 9.8148, 14.7643,

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

9.8148, 14.7643, 6.3355

Protanopia

13.3948, 14.6333, 5.6086

Deuteranopia

14.8268, 14.5964, 6.5934



Tritanopia

12.6387, 14.7181, 20.2639

Trichromacy



Original Color

9.8148, 14.7643, 6.3355

Protanomaly

11.6296, 14.3540, 5.7721

Deuteranomaly

12.3892, 14.2502, 6.5125

Tritanomaly

11.3959, 14.7211, 13.7961

Monochromacy



Original Color

9.8148, 14.7643, 6.3355

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

10.5434, 12.7539, 10.0897

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.8148, 14.7643, 6.3355 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(69, 119, 58)` looks like.

```
.text, #text, p{  
    color:rgb(69, 119, 58)  
}
```

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(69, 119, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 119, 58) }
```

Border

The CSS property to change the border of an element to XYZ 9.8148, 14.7643, 6.3355 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(69, 119, 58) }
```


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

```
.border{ border-color:rgb(69, 119, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 119, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 119, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 119, 58);  
box-shadow:4px 4px 4px 4px rgb(69, 119,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 9.8148, 14.7643, 6.3355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 119, 58) }
```

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

```
.background{ background-color: rgb(69, 119,  
58) }
```

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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