

Converting Colors

XYZ(9.9347, 15.4007, 7.0019)

Have a look what the booklet for
XYZ(9.9347, 15.4007, 7.0019)
contains.

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Color

**XYZ(9.8789, 15.3236,
6.9945)**

Conversions

Conversions Part 1

Format	Color
Hex	3F7A3E
RGB	63, 122, 62
RGB Percent	25%, 48%, 24%
CMY	0.7529, 0.5216, 0.7569
CMYK	0.48, 0.00, 0.49, 0.52
HSL	119°, 33%, 36%
HSV	119°, 49%, 48%
XYZ	9.8789, 15.3236, 6.9945
YIQ	97.5190, -15.9040, -31.1680

Conversions

Conversions Part 2

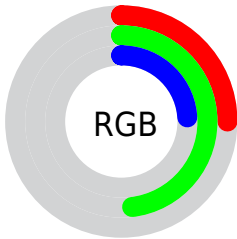
Format	Color
RYB	62, 122, 121
Decimal	4160062
CIELab	46.07, -32.48, 26.93
CIELCh	46, 42.186, 140.338
Yxy	15.3236, 0.3068, 0.4759
Android (android.graphics.Color)	4282350142 (0xFF3F7A3E)
YUV	97.5190, -17.5109, -30.2732
Hunter-Lab	39.1454, -23.4573, 16.8078

Details

The XYZ color **9.8789, 15.3236, 6.9945** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **13.1214, 8.9159, 19.4425**, and the grayscale version is **11.5352, 12.1359, 13.2160**.

A 20% lighter version of the original color is **25.2694, 35.4525, 20.5501**, and **2.5387, 4.8348, 1.2896** is the 20% darker color. If you saturate the color by 10%, you get **8.8967, 14.8521, 5.3930**, and if you desaturate by 10%, it is **11.1041, 15.9125, 9.0005**.

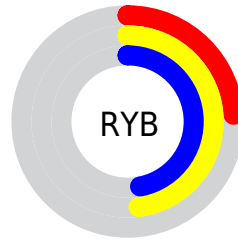
Distribution



Red (25%)

Green (48%)

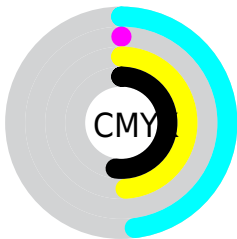
Blue (24%)



Red (24%)

Yellow (48%)

Blue (47%)

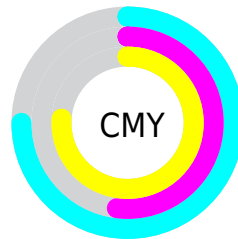


Cyan (48%)

Magenta (0%)

Yellow (49%)

Black (52%)



Cyan (75%)

Magenta (52%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.8789, 15.3236, 6.9945 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 9.8789, 15.3236, 6.9945 by changing the saturation by 10% instead.

■ 9.8789, 15.3236,
6.9945

■ 9.8789, 15.3236,
6.9945

183.8773,
225.3166, 177.2472

■ 5.3804, 9.0468,
3.3803

■ 25.2192, 35.4199,
20.4748

■ 2.5092, 4.7717,
1.2919

■ 36.7917, 50.0082,
31.1780

■ 0.8999, 2.1140,
0.0552

■ 51.4530, 68.1357,
45.0812

■ 0.0000, 0.6725,
0.0000

■ 69.5683, 90.1870,
62.6031

■ 0.0000, 0.0000,
0.0000

■ 91.5030, 116.5463,
84.1620

■ 117.6225,

147.5981, 110.1767

148.2922,
183.7267, 141.0656

■ 9.8789, 15.3236,
6.9945

■ 9.8789, 15.3236,
6.9945

■ 8.8967, 14.8521,
5.3930

■ 11.1041, 15.9125,
9.0005

■ 8.1402, 14.4885,
4.1677

■ 12.5858, 16.6240,
11.4347

■ 7.5919, 14.2247,
3.2881


■ 14.3377, 17.4651,
14.3204


■ 7.2310, 14.0509,
2.7186


■ 16.3724, 18.4418,
17.6787


■ 7.0030, 13.9413,
2.3506


■ 18.7016, 19.5597,
21.5295

 6.9852, 13.9328,
2.3211

 21.3363, 20.8242,
25.8916

 24.2871, 22.2402,
30.7827

 27.5640, 23.8125,
36.2197

 31.1765, 25.5458,
42.2186

Harmonies

Analogous

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



12.2991, 15.3236, 4.1800



9.8789, 15.3236, 6.9945



8.7742, 15.3236, 13.5877

Triad

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



9.8789, 15.3236, 6.9945



13.4387, 15.3236, 44.6715



22.0263, 15.3236, 10.7240

Complementary

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



9.8789, 15.3236, 6.9945



13.1214, 8.9159, 19.4425

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.



22.4663, 15.3236, 20.2200



9.8789, 15.3236, 6.9945



17.0926, 15.3236, 42.8644

Square

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



9.8789, 15.3236, 6.9945



10.5953, 15.3236, 36.9482



20.5377, 15.3236, 32.7112



19.4189, 15.3236, 5.6389

Rectangle

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



9.8789, 15.3236, 6.9945



8.7842, 15.3236, 20.4818



20.5377, 15.3236, 32.7112



22.4474, 15.3236, 13.3887

Sweetspot

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



9.8793, 15.3242, 6.9948



26.5302, 31.3525, 27.3486



15.7336, 18.1609, 7.2338



5.9323, 7.1046, 6.0325



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.



9.8793, 15.3242, 6.9948



15.4649, 26.0387, 9.1848



10.8350, 15.6992, 12.3572



3.9565, 4.4529, 4.2754



7.3533, 14.6680, 2.4436



35.0045, 69.9309, 11.6531

Inverse Universe

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



13.1214, 8.9159, 19.4425



21.8768, 13.3548, 33.8176



11.7250, 8.3735, 11.3547



4.1482, 4.0743, 5.0110



11.8484, 5.6808, 19.8573



56.4419, 27.0588, 94.7179

Previews

White Background



This preview shows how the XYZ color 9.8789, 15.3236, 6.9945 looks on a white background.

Color Contrast Check

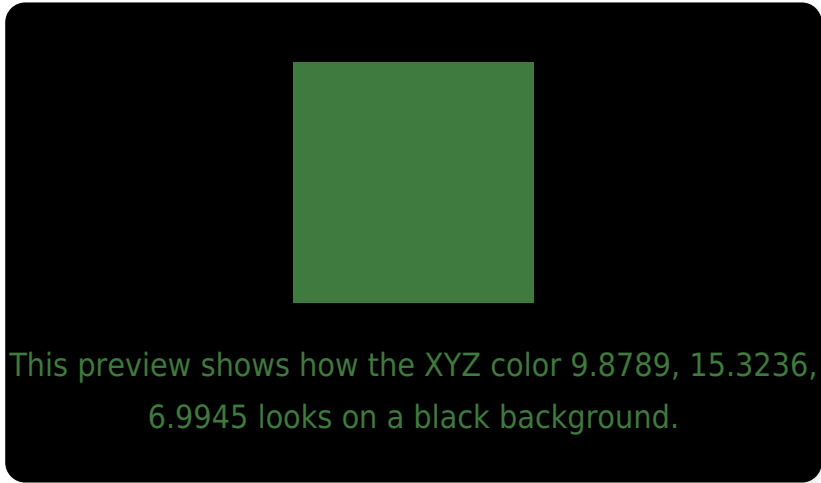
Large Text (above 18pt) WCAG AA ✓ Pass

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 9.8789, 15.3236, 6.9945

Background



This preview shows how black text looks on a background with the XYZ color 9.8789, 15.3236, 6.9945.



This preview shows how white text looks on a background with the XYZ color 9.8789, 15.3236,

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

9.8789, 15.3236, 6.9945

Protanopia

13.9529, 15.2258, 6.0744

Deuteranopia

15.3235, 15.1312, 7.4232



Tritanopia

12.7493, 15.2532, 21.3410

Trichromacy



Original Color

9.8789, 15.3236, 6.9945

Protanomaly

11.9523, 15.0030, 6.4036

Deuteranomaly

12.5824, 14.8147, 7.1974

Tritanomaly

11.4259, 15.2360, 14.6506

Monochromacy



Original Color

9.8789, 15.3236, 6.9945

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

10.6437, 13.1026, 10.5624

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.8789, 15.3236, 6.9945 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(63, 122, 62)` looks like.

```
.text, #text, p{  
    color:rgb(63, 122, 62)  
}
```

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(63, 122, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 122, 62) }
```

Border

The CSS property to change the border of an element to XYZ 9.8789, 15.3236, 6.9945 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(63, 122, 62) }
```


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

```
.border{ border-color:rgb(63, 122, 62) }
```

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

Here you see how a box with a 4 pixel rgb(63, 122, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 122, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 122, 62);  
box-shadow:4px 4px 4px 4px rgb(63, 122,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 9.8789, 15.3236, 6.9945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 122, 62) }
```

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

```
.background{ background-color: rgb(63, 122,  
62) }
```

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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