

Converting Colors

XYZ(9.7261, 16.3620, 3.3262)

Have a look what the booklet for
XYZ(9.7261, 16.3620, 3.3262)
contains.

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Color

**XYZ(9.7699, 16.4809,
3.3280)**

Conversions

Conversions Part 1

Format	Color
Hex	3D8014
RGB	61, 128, 20
RGB Percent	24%, 50%, 8%
CMY	0.7608, 0.4980, 0.9215
CMYK	0.52, 0.00, 0.84, 0.50
HSL	97°, 73%, 29%
HSV	97°, 84%, 50%
XYZ	9.7699, 16.4809, 3.3280
YIQ	95.6550, -5.2640, -47.7920

Conversions

Conversions Part 2

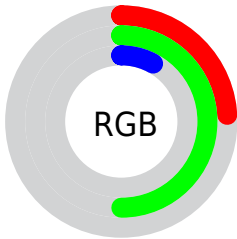
Format	Color
RYB	20, 128, 87
Decimal	4030484
CIELab	47.60, -39.92, 47.12
CIELCh	48, 61.756, 130.268
Yxy	16.4809, 0.3303, 0.5572
Android (android.graphics.Color)	4282220564 (0xFF3D8014)
YUV	95.6550, -37.2979, -30.3924
Hunter-Lab	40.5967, -28.0868, 23.5572

Details

The XYZ color **9.7699, 16.4809, 3.3280** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **8.0778, 4.0856, 20.7858**, and the grayscale version is **11.1234, 11.7027, 12.7442**.

A 20% lighter version of the original color is **24.9624, 37.2552, 12.3539**, and **2.7244, 5.4488, 0.9081** is the 20% darker color. If you saturate the color by 10%, you get **9.2303, 16.2132, 2.8499**, and if you desaturate by 10%, it is **10.4414, 16.8108, 4.1190**.

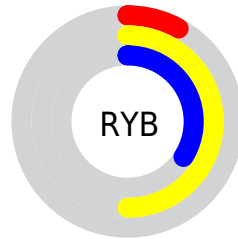
Distribution



Red (24%)

Green (50%)

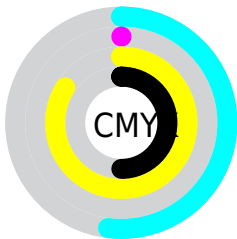
Blue (8%)



Red (8%)

Yellow (50%)

Blue (34%)

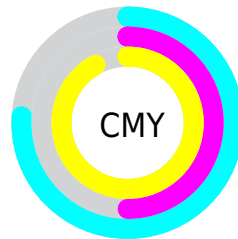


Cyan (52%)

Magenta (0%)

Yellow (84%)

Black (50%)



Cyan (76%)


Magenta (50%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 9.7699, 16.4809, 3.3280 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 9.7699, 16.4809, 3.3280 by changing the saturation by 10% instead.


 9.7699, 16.4809,
3.3280

 9.7699, 16.4809,
3.3280


183.1100,
232.1629, 140.4344


 5.3078, 9.8651,
1.2645


 25.0154, 37.4311,
12.4276


 2.4655, 5.3096,
0.0324

 36.5295, 52.5342,
20.3008


 0.8779, 2.4300,
0.0000

 51.1250, 71.2353,
30.9475

 0.0000, 0.8413,
0.0000


 69.1671, 93.9186,
44.7864


 0.0000, 0.0000,
0.0000


 91.0213, 120.9687,
62.2360


 117.0530,

152.7698, 83.7149


 147.6274,
189.7064, 109.6415


 9.7699, 16.4809,
3.3280


 9.7699, 16.4809,
3.3280


 9.2303, 16.2132,
2.8499


 10.4414, 16.8108,
4.1190

 8.9664, 16.0818,
2.6315

 11.2560, 17.2060,
5.2720

 12.2239, 17.6717,
6.8240

 13.3539, 18.2115,
8.8073

 14.6540, 18.8290,
11.2507

■ 16.1316, 19.5274,
14.1809

■ 17.7936, 20.3097,
17.6221

■ 19.6467, 21.1790,
21.5972

■ 21.6970, 22.1378,
26.1276

Harmonies

Analogous

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



13.8523, 16.4809, 1.5902



9.7699, 16.4809, 3.3280



7.6634, 16.4809, 9.5315

Triad

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



9.7699, 16.4809, 3.3280



12.3553, 16.4809, 64.2857



28.5613, 16.4809, 13.0650

Complementary

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



9.7699, 16.4809, 3.3280



8.0778, 4.0856, 20.7858

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.



27.8918, 16.4809, 30.2512



9.7699, 16.4809, 3.3280



17.6284, 16.4809, 67.3650

Square

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



9.7699, 16.4809, 3.3280



8.8957, 16.4809, 45.5412



23.5520, 16.4809, 52.4448



25.2105, 16.4809, 4.6160

Rectangle

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



9.7699, 16.4809, 3.3280



7.2839, 16.4809, 18.0869



23.5520, 16.4809, 52.4448



28.8149, 16.4809, 17.8036

Sweetspot

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



9.7703, 16.4816, 3.3284



28.0710, 34.2239, 24.2989



12.4049, 11.3922, 2.2072



6.3870, 7.9253, 5.3179



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



9.7703, 16.4816, 3.3284



15.6355, 28.2357, 4.6260



8.2771, 15.6953, 4.0032



4.4184, 4.8921, 4.6315



8.8919, 15.9463, 2.6093



0.0000, 0.0000, 0.0000

Inverse Universe

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



8.0778, 4.0856, 20.7858



12.4343, 5.6176, 36.3852



12.2704, 6.3370, 16.9178



4.3449, 4.3334, 5.4207



7.0963, 3.2120, 20.4959



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 9.7699, 16.4809, 3.3280 looks on a white background.

Color Contrast Check

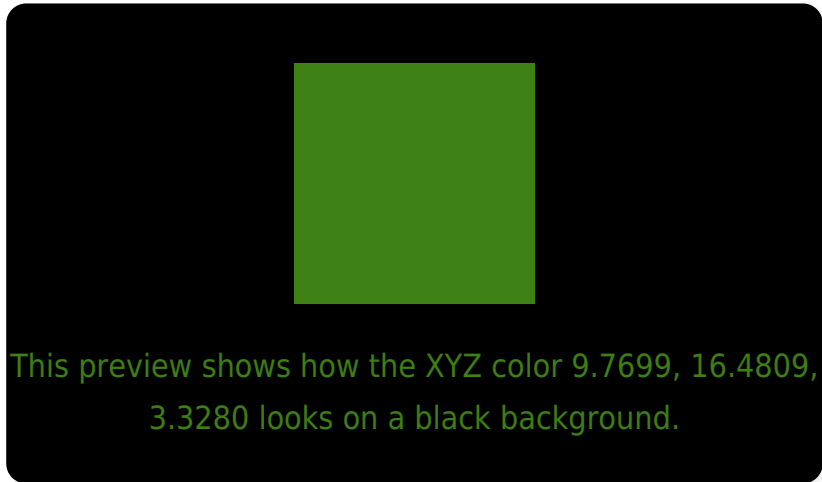
Large Text (above 18pt) WCAG AA ✓ Pass

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 9.7699, 16.4809, 3.3280

Background



This preview shows how black text looks on a background with the XYZ color 9.7699, 16.4809, 3.3280.



This preview shows how white text looks on a background with the XYZ color 9.7699, 16.4809,

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

9.7699, 16.4809, 3.3280

Protanopia

14.7511, 16.3597, 2.8705

Deuteranopia

16.5029, 16.2824, 3.6395



Tritanopia

13.7837, 16.4409, 23.2158

Trichromacy



Original Color

9.7699, 16.4809, 3.3280

Protanomaly

12.1731, 15.8809, 2.9540

Deuteranomaly

13.0224, 15.7901, 3.4600

Tritanomaly

11.4352, 16.0181, 11.9403

Monochromacy



Original Color

9.7699, 16.4809, 3.3280

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

9.9732, 12.9815, 7.4489

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.7699, 16.4809, 3.3280 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(61, 128, 20)` looks like.

```
.text, #text, p{  
    color:rgb(61, 128, 20)  
}
```

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(61, 128, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 128, 20) }
```

Border

The CSS property to change the border of an element to XYZ 9.7699, 16.4809, 3.3280 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(61, 128, 20) }
```


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

```
.border{ border-color:rgb(61, 128, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 128, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 128, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 128, 20);  
box-shadow:4px 4px 4px 4px rgb(61, 128,  
20) }
```

Background

The CSS property to change the background color of an element to XYZ 9.7699, 16.4809, 3.3280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 128, 20) }
```

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

```
.background{ background-color: rgb(61, 128,  
20) }
```

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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