

Converting Colors

XYZ(9.7497, 15.9031, 8.0831)

Have a look what the booklet for
XYZ(9.7497, 15.9031, 8.0831)
contains.

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Color

**XYZ(9.7709, 15.9920,
8.0406)**

Conversions

Conversions Part 1

Format	Color
Hex	317E44
RGB	49, 126, 68
RGB Percent	19%, 49%, 27%
CMY	0.8078, 0.5059, 0.7333
CMYK	0.61, 0.00, 0.46, 0.51
HSL	135°, 44%, 34%
HSV	135°, 61%, 49%
XYZ	9.7709, 15.9920, 8.0406
YIQ	96.3650, -27.2740, -34.3620

Conversions

Conversions Part 2

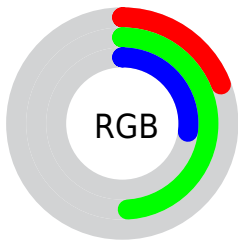
Format	Color
R_{YB}	49, 111, 126
Decimal	3243588
CIE _{Lab}	46.96, -37.17, 24.65
CIE _{LCh}	47, 44.601, 146.449
Yxy	15.9920, 0.2890, 0.4731
Android (android.graphics.Color)	4281433668 (0xFF317E44)
YUV	96.3650, -13.9839, -41.5391
Hunter-Lab	39.9900, -26.3690, 16.0718

Details

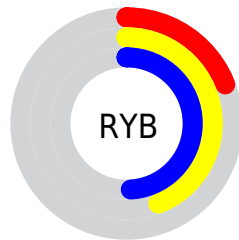
The XYZ color **9.7709, 15.9920, 8.0406** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **12.3569, 7.6942, 14.7446**, and the grayscale version is **11.2451, 11.8307, 12.8837**.

A 20% lighter version of the original color is **24.9245, 36.4081, 22.5434**, and **2.7391, 5.2307, 1.6759** is the 20% darker color. If you saturate the color by 10%, you get **8.9796, 15.6153, 6.6122**, and if you desaturate by 10%, it is **10.7799, 16.4764, 9.7248**.

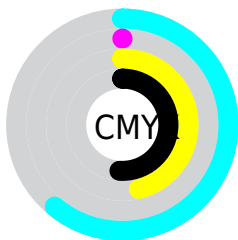
Distribution



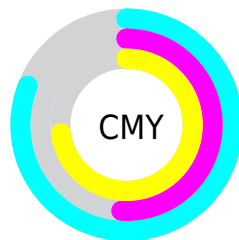
- Red (19%)
- Green (49%)
- Blue (27%)



- Red (19%)
- Yellow (44%)
- Blue (49%)



- Cyan (61%)
- Magenta (0%)
- Yellow (46%)
- Black (51%)





- Cyan (81%)
- Magenta (51%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 9.7709, 15.9920, 8.0406 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 9.7709, 15.9920, 8.0406 by changing the saturation by 10% instead.


 9.7709, 15.9920,
8.0406


 9.7709, 15.9920,
8.0406


183.1170,
229.2945, 185.9966


 5.3084, 9.5185,
4.0328


 25.0173, 36.5843,
22.5855


 2.4659, 5.0809,
1.6434

 36.5319, 51.4719,
33.9596


 0.8781, 2.2948,
0.3215

 51.1280, 69.9330,
48.6263

 0.0000, 0.7710,
0.0000

 69.1708, 92.3520,
67.0041

 0.0000, 0.0000,
0.0000

 91.0258, 119.1132,
89.5114

 117.0582,

150.6011, 116.5670

147.6335,
187.2001, 148.5892

■ 9.7709, 15.9920,
8.0406

■ 9.7709, 15.9920,
8.0406

■ 8.9796, 15.6153,
6.6122

■ 10.7799, 16.4764,
9.7248

■ 8.3879, 15.3359,
5.4259

■ 12.0205, 17.0740,
11.6754

■ 7.9768, 15.1448,
4.4684

■ 13.5065, 17.7923,
13.9038

■ 7.7096, 15.0217,
3.7957

■ 15.2507, 18.6376,
16.4201

■ 17.2646, 19.6156,
19.2343

■ 19.5592, 20.7318,
22.3556

■ 22.1450, 21.9914,
25.7931

■ 25.0316, 23.3992,
29.5552

■ 28.2284, 24.9600,
33.6502

Harmonies

Analogous

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



12.1005, 15.9920, 4.3988



9.7709, 15.9920, 8.0406



8.8802, 15.9920, 16.1169

Triad

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



9.7709, 15.9920, 8.0406



14.7405, 15.9920, 48.8175



22.9450, 15.9920, 9.4960

Complementary

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



9.7709, 15.9920, 8.0406



12.3569, 7.6942, 14.7446

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.



23.9732, 15.9920, 18.7759



9.7709, 15.9920, 8.0406



18.7880, 15.9920, 44.5629

Square

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



9.7709, 15.9920, 8.0406



11.4230, 15.9920, 42.1219



22.3396, 15.9920, 32.1712



19.7292, 15.9920, 4.9517

Rectangle

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



9.7709, 15.9920, 8.0406



9.0861, 15.9920, 24.2242



22.3396, 15.9920, 32.1712



23.5793, 15.9920, 12.0150

Sweetspot

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



9.7713, 15.9927, 8.0410



27.7493, 33.2446, 30.1818



14.2042, 18.3344, 5.6963



6.1245, 7.4710, 6.6005



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



9.7713, 15.9927, 8.0410



15.3921, 27.2895, 10.8397



11.3018, 16.6049, 16.1007



4.3162, 4.8348, 4.8363



7.9075, 15.4096, 3.8859



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.3569, 7.6942, 14.7446



20.3377, 11.3296, 23.5977



10.7938, 7.0690, 6.5134



4.4542, 4.3948, 5.1965



10.9402, 5.3958, 11.5410



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 9.7709, 15.9920, 8.0406 looks on a white background.

Color Contrast Check

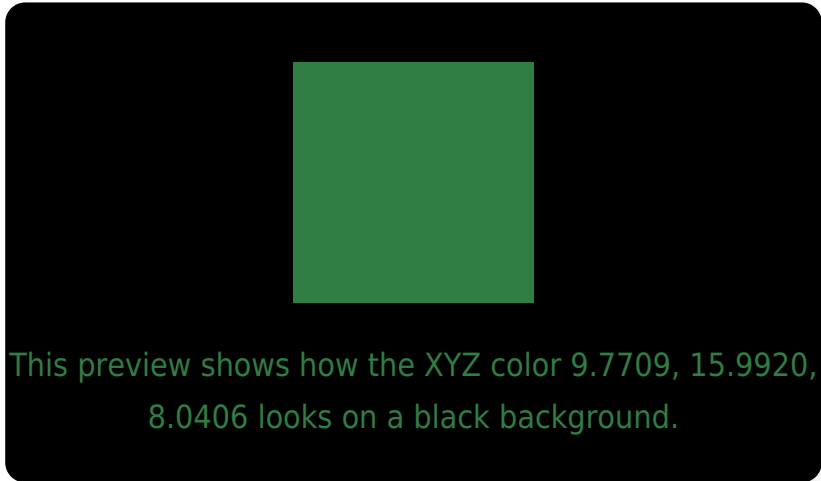
Large Text (above 18pt) WCAG AA ✓ Pass

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 9.7709, 15.9920, 8.0406

Background



This preview shows how black text looks on a background with the XYZ color 9.7709, 15.9920, 8.0406.



This preview shows how white text looks on a background with the XYZ color 9.7709, 15.9920,

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

9.7709, 15.9920, 8.0406

Protanopia

14.5800, 15.8543, 6.8492

Deuteranopia

16.0295, 15.7757, 8.5035



Tritanopia

12.8060, 15.9369, 23.1701

Trichromacy



Original Color

9.7709, 15.9920, 8.0406

Protanomaly

11.8901, 15.2938, 7.1758

Deuteranomaly

12.5219, 15.0900, 8.2139

Tritanomaly

11.4769, 15.9413, 16.3820

Monochromacy



Original Color

9.7709, 15.9920, 8.0406

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.1619, 12.8495, 10.7487

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.7709, 15.9920, 8.0406 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(49, 126, 68)` looks like.

```
.text, #text, p{  
    color:rgb(49, 126, 68)  
}
```

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(49, 126, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 126, 68) }
```

Border

The CSS property to change the border of an element to XYZ 9.7709, 15.9920, 8.0406 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(49, 126, 68) }
```


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

```
.border{ border-color:rgb(49, 126, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 126, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 126, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 126, 68);  
box-shadow:4px 4px 4px 4px rgb(49, 126,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 9.7709, 15.9920, 8.0406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 126, 68) }
```

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

```
.background{ background-color: rgb(49, 126,  
68) }
```

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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