

Converting Colors

XYZ(8.7683, 17.4032, 3.3340)

Have a look what the booklet for
XYZ(8.7683, 17.4032, 3.3340)
contains.

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Color

**XYZ(8.7502, 17.3624,
3.3420)**

Conversions

Conversions Part 1

Format	Color
Hex	00870F
RGB	0, 135, 15
RGB Percent	0%, 53%, 6%
CMY	1.0000, 0.4706, 0.9412
CMYK	1.00, 0.00, 0.89, 0.47
HSL	127°, 100%, 26%
HSV	127°, 100%, 53%
XYZ	8.7502, 17.3624, 3.3420
YIQ	80.9550, -41.9400, -65.9400

Conversions

Conversions Part 2

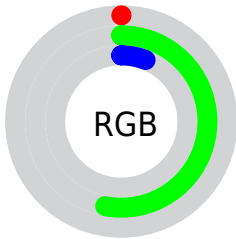
Format	Color
RYB	0, 122, 135
Decimal	34575
CIELab	48.71, -53.17, 48.96
CIELCh	49, 72.274, 137.363
Yxy	17.3624, 0.2971, 0.5895
Android (android.graphics.Color)	4278224655 (0xFF00870F)
YUV	80.9550, -32.5158, -70.9975
Hunter-Lab	41.6682, -35.4349, 24.4124

Details

The XYZ color **8.7502, 17.3624, 3.3420** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **13.3822, 6.5072, 18.3197**, and the grayscale version is **7.8810, 8.2914, 9.0293**.

A 20% lighter version of the original color is **23.1504, 39.1338, 12.4643**, and **3.0933, 6.1865, 1.0311** is the 20% darker color. If you saturate the color by 10%, you get **8.7505, 17.3631, 3.3423**, and if you desaturate by 10%, it is **9.0357, 17.4972, 3.9384**.

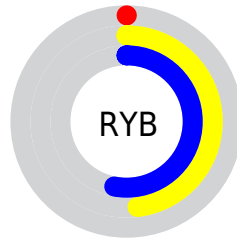
Distribution



Red (0%)

Green (53%)

Blue (6%)



Red (0%)

Yellow (48%)

Blue (53%)

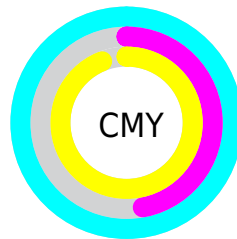


Cyan (100%)

Magenta (0%)

Yellow (89%)

Black (47%)



Cyan (100%)

Magenta (47%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.7502, 17.3624, 3.3420 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 8.7502, 17.3624, 3.3420 by changing the saturation by 10% instead.

■ 8.7502, 17.3624,
3.3420

■ 8.7502, 17.3624,
3.3420

175.7501,
237.2522, 140.6039

■ 4.6344, 10.4932,
1.2718

■ 23.0881, 38.9478,
12.4613

■ 2.0669, 5.7272,
0.0385

■ 34.0410, 54.4328,
20.3475

■ 0.6711, 2.6799,
0.0000

■ 48.0036, 73.5586,
31.0094

■ 0.0000, 0.9670,
0.0000


■ 65.3413, 96.7095,
44.8656


■ 0.0000, 0.0000,
0.0000


■ 86.4195, 124.2699,
62.3346


■ 111.6034,


156.6242, 83.8350


 141.2585,
194.1569, 109.7852


 8.7502, 17.3624,
3.3420


 8.7502, 17.3624,
3.3420


 8.7505, 17.3631,
3.3423

 9.0357, 17.4972,
3.9384

 9.4827, 17.7082,
4.8382

 10.1568, 18.0289,
6.0773

 11.0832, 18.4719,
7.6848

 12.2840, 19.0479,
9.6868

■ 13.7786, 19.7663,
12.1071

■ 15.5847, 20.6360,
14.9675

■ 17.7188, 21.6649,
18.2883

■ 20.1959, 22.8603,
22.0887

Harmonies

Analogous

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



12.9628, 17.3624, 1.0518



8.7502, 17.3624, 3.3420



6.8835, 17.3624, 11.9526

Triad

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



8.7502, 17.3624, 3.3420



13.8521, 17.3624, 82.1837



32.0228, 17.3624, 9.9242

Complementary

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



8.7502, 17.3624, 3.3420



13.3822, 6.5072, 18.3197

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.



32.4506, 17.3624, 28.1348



8.7502, 17.3624, 3.3420



20.6341, 17.3624, 80.1131

Square

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



8.7502, 17.3624, 3.3420



9.2494, 17.3624, 60.8551



27.8522, 17.3624, 56.3039



26.8054, 17.3624, 2.7117

Rectangle

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



8.7502, 17.3624, 3.3420



6.7697, 17.3624, 24.0143



27.8522, 17.3624, 56.3039



32.7734, 17.3624, 14.5768

Sweetspot

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



8.7506, 17.3631, 3.3424



27.6721, 36.8400, 26.4322



16.6201, 21.4299, 3.2605



6.1214, 8.3934, 5.6688



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



8.7506, 17.3631, 3.3424



15.6379, 31.0800, 5.8161



10.1496, 17.9227, 10.7096



4.6358, 5.2126, 5.0934



8.0717, 16.0115, 3.0969



0.0292, 0.0560, 0.0174

Inverse Universe

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



13.3822, 6.5072, 18.3197



23.9275, 11.6380, 32.6136



10.6580, 5.4175, 3.9743



4.8362, 4.7542, 5.7497



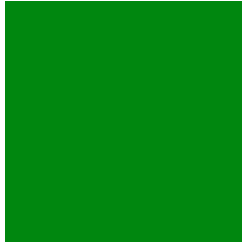
12.3426, 6.0014, 16.9081



0.0443, 0.0214, 0.0669

Previews

White Background



This preview shows how the XYZ color 8.7502, 17.3624, 3.3420 looks on a white background.

Color Contrast Check

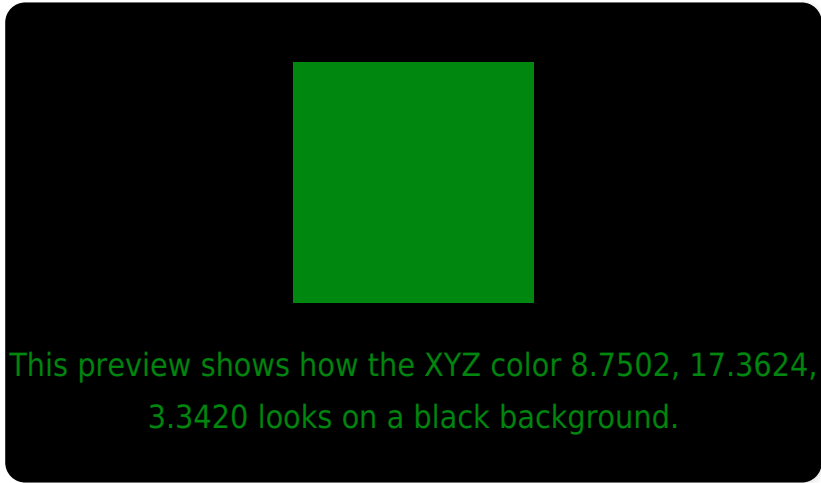
Large Text (above 18pt) WCAG AA ✓ Pass

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

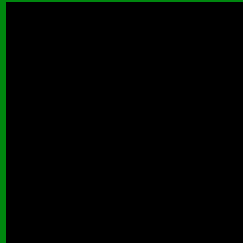
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 8.7502, 17.3624, 3.3420

Background



This preview shows how black text looks on a background with the XYZ color 8.7502, 17.3624, 3.3420.



This preview shows how white text looks on a background with the XYZ color 8.7502, 17.3624,

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

8.7502, 17.3624, 3.3420

Protanopia

15.4842, 17.2498, 2.6857

Deuteranopia

17.4064, 17.0613, 3.7422



Tritanopia

13.5357, 17.5400, 25.9647

Trichromacy



Original Color

8.7502, 17.3624, 3.3420



Protanomaly

10.6995, 16.0246, 2.7876



Deuteranomaly

11.0785, 15.3068, 3.3479



Tritanomaly

10.5096, 16.8483, 12.8233

Monochromacy



Original Color

8.7502, 17.3624, 3.3420



Achromatopsia

7.8210, 8.2283, 8.9606



Achromatomaly

6.8084, 10.3328, 5.5065

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.7502, 17.3624, 3.3420 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(0, 135, 15)` looks like.

```
.text, #text, p{  
    color:rgb(0, 135, 15)  
}
```

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(0, 135, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 135, 15) }
```

Border

The CSS property to change the border of an element to XYZ 8.7502, 17.3624, 3.3420 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(0, 135, 15) }
```


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

```
.border{ border-color:rgb(0, 135, 15) }
```

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

Here you see how a box with a 4 pixel rgb(0, 135, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 135, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 135, 15);  
box-shadow:4px 4px 4px 4px rgb(0, 135, 15)  
}
```

Background

The CSS property to change the background color of an element to XYZ 8.7502, 17.3624, 3.3420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 135, 15) }
```

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

```
.background{ background-color: rgb(0, 135,  
15) }
```

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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