

Converting Colors

XYZ(9.7854, 17.8103, 8.6887)

Have a look what the booklet for
XYZ(9.7854, 17.8103, 8.6887)
contains.

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Color

**XYZ(9.7695, 17.7701,
8.7094)**

Conversions

Conversions Part 1

Format	Color
Hex	008746
RGB	0, 135, 70
RGB Percent	0%, 53%, 27%
CMY	1.0000, 0.4706, 0.7255
CMYK	1.00, 0.00, 0.48, 0.47
HSL	151°, 100%, 26%
HSV	151°, 100%, 53%
XYZ	9.7695, 17.7701, 8.7094
YIQ	87.2250, -59.5950, -48.8350

Conversions

Conversions Part 2

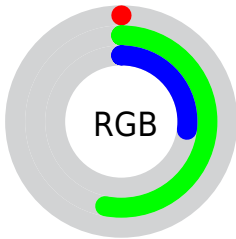
Format	Color
RYB	0, 89, 135
Decimal	34630
CIELab	49.22, -46.89, 26.27
CIELCh	49, 53.745, 150.741
Yxy	17.7701, 0.2695, 0.4902
Android (android.graphics.Color)	4278224710 (0xFF008746)
YUV	87.2250, -8.4919, -76.4963
Hunter-Lab	42.1546, -32.4024, 17.2585

Details

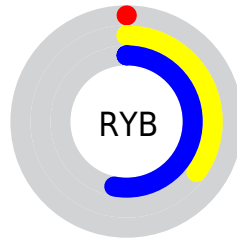
The XYZ color **9.7695, 17.7701, 8.7094** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **10.9466, 5.5331, 5.4938**, and the grayscale version is **9.1355, 9.6113, 10.4667**.

A 20% lighter version of the original color is **24.9207, 39.4764, 23.7590**, and **3.3352, 6.4066, 1.9250** is the 20% darker color. If you saturate the color by 10%, you get **9.7696, 17.7707, 8.7089**, and if you desaturate by 10%, it is **10.1599, 17.9468, 9.8580**.

Distribution



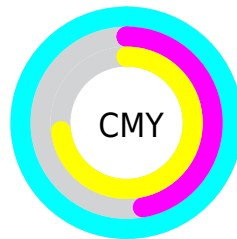
- Red (0%)
- Green (53%)
- Blue (27%)



- Red (0%)
- Yellow (35%)
- Blue (53%)



- Cyan (100%)
- Magenta (0%)
- Yellow (48%)
- Black (47%)





- Cyan (100%)
- Magenta (47%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 9.7695, 17.7701, 8.7094 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 9.7695, 17.7701, 8.7094 by changing the saturation by 10% instead.


 9.7695, 17.7701,
8.7094


 9.7695, 17.7701,
8.7094


183.1072,
239.5720, 191.3325


 5.3075, 10.7851,
4.4579


 25.0147, 39.6452,
23.9066


 2.4654, 5.9225,
1.8798

 36.5285, 55.3040,
35.6894


 0.8778, 2.7980,
0.4798

 51.1237, 74.6229,
50.8196

 0.0000, 1.0272,
0.0000

 69.1656, 97.9863,
69.7160

 0.0000, 0.0000,
0.0000

 91.0196, 125.7784,
92.7969

 117.0509,

158.3839, 120.4809

147.6250,
196.1869, 153.1866

■ 9.7695, 17.7701,
8.7094

■ 9.7695, 17.7701,
8.7094

■ 9.7696, 17.7707,
8.7089

■ 10.1599, 17.9468,
9.8580

■ 10.6780, 18.1863,
11.1317

■ 11.3838, 18.5197,
12.5371

■ 12.2977, 18.9577,
14.0783

■ 13.4377, 19.5094,
15.7594

■ 14.8193, 20.1826,
17.5840

■ 16.4568, 20.9849,
19.5558

■ 18.3634, 21.9228,
21.6781

■ 20.5512, 23.0025,
23.9542

Harmonies

Analogous

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



12.4061, 17.7701, 3.9572



9.7695, 17.7701, 8.7094



8.9369, 17.7701, 19.7099

Triad

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



9.7695, 17.7701, 8.7094



17.0156, 17.7701, 62.4634



26.6597, 17.7701, 8.3492

Complementary

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



9.7695, 17.7701, 8.7094



10.9466, 5.5331, 5.4938

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.



28.5469, 17.7701, 18.9918



9.7695, 17.7701, 8.7094



22.3417, 17.7701, 54.3332

Square

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



9.7695, 17.7701, 8.7094



12.5837, 17.7701, 55.0510



26.8300, 17.7701, 36.3237



22.0811, 17.7701, 3.8339

Rectangle

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



9.7695, 17.7701, 8.7094



9.3534, 17.7701, 30.9318



26.8300, 17.7701, 36.3237



27.6663, 17.7701, 11.0921

Sweetspot

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



9.7699, 17.7708, 8.7098



29.2556, 37.4734, 34.7709



10.8613, 18.4612, 2.9912



6.5160, 8.5513, 7.7467



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.



9.7699, 17.7708, 8.7098



17.4137, 31.7903, 15.1673



12.7271, 18.4567, 25.8141



4.7096, 5.2421, 5.4820



9.0153, 16.3890, 8.0661



0.0349, 0.0583, 0.0474

Inverse Universe

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



10.9466, 5.5331, 5.4938



19.5219, 9.8758, 9.4140



10.0166, 5.2002, 0.4761



4.7590, 4.7233, 5.3434



10.1002, 5.1044, 5.1002



0.0386, 0.0191, 0.0369

Previews

White Background



This preview shows how the XYZ color 9.7695, 17.7701, 8.7094 looks on a white background.

Color Contrast Check

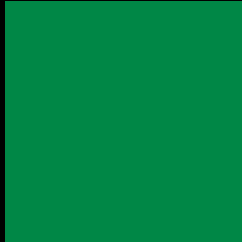
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 9.7695, 17.7701, 8.7094 looks on a black 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

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

XYZ 9.7695, 17.7701, 8.7094

Background



This preview shows how black text looks on a background with the XYZ color 9.7695, 17.7701, 8.7094.



This preview shows how white text looks on a background with the XYZ color 9.7695, 17.7701,

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

9.7695, 17.7701, 8.7094

Protanopia

16.1606, 17.6707, 7.2616

Deuteranopia

17.8042, 17.4661, 9.2704



Tritanopia

13.5421, 17.7175, 26.7508

Trichromacy



Original Color

9.7695, 17.7701, 8.7094



Protanomaly

11.5844, 16.5580, 7.7397



Deuteranomaly

12.0723, 16.0512, 8.9405



Tritanomaly

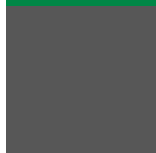
11.5589, 17.4646, 18.3846

Monochromacy



Original Color

9.7695, 17.7701, 8.7094



Achromatopsia

9.0590, 9.5307, 10.3790



Achromatomaly

8.0111, 11.3069, 9.5448

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.7695, 17.7701, 8.7094 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, 70)` looks like.

```
.text, #text, p{  
    color:rgb(0, 135, 70)  
}
```

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, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 135, 70) }
```

Border

The CSS property to change the border of an element to XYZ 9.7695, 17.7701, 8.7094 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, 70) }
```


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

```
.border{ border-color:rgb(0, 135, 70) }
```

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, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 135, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 135, 70);  
box-shadow:4px 4px 4px 4px rgb(0, 135, 70)  
}
```

Background

The CSS property to change the background color of an element to XYZ 9.7695, 17.7701, 8.7094 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, 70) }
```

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

```
.background{ background-color: rgb(0, 135,  
70) }
```

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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