

Converting Colors

XYZ(9.8194, 16.9325, 7.9697)

Have a look what the booklet for
XYZ(9.8194, 16.9325, 7.9697)
contains.

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Color

**XYZ(9.8626, 17.0193,
7.9195)**

Conversions

Conversions Part 1

Format	Color
Hex	258342
RGB	37, 131, 66
RGB Percent	15%, 51%, 26%
CMY	0.8549, 0.4863, 0.7412
CMYK	0.72, 0.00, 0.50, 0.49
HSL	139°, 56%, 33%
HSV	139°, 72%, 51%
XYZ	9.8626, 17.0193, 7.9195
YIQ	95.4840, -35.1590, -40.1430

Conversions

Conversions Part 2

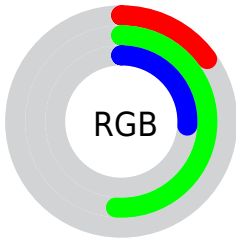
Format	Color
RYB	37, 109, 131
Decimal	2458434
CIELab	48.28, -42.13, 27.35
CIElCh	48, 50.230, 147.010
Yxy	17.0193, 0.2834, 0.4890
Android (android.graphics.Color)	4280648514 (0xFF258342)
YUV	95.4840, -14.5356, -51.2905
Hunter-Lab	41.2545, -29.5217, 17.4964

Details

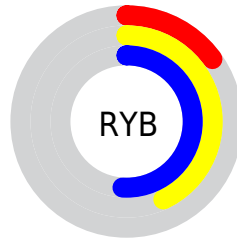
The XYZ color **9.8626, 17.0193, 7.9195** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **12.4204, 7.1080, 13.2879**, and the grayscale version is **11.0338, 11.6084, 12.6416**.

A 20% lighter version of the original color is **25.1628, 38.3686, 22.2993**, and **2.9949, 5.7878, 1.6211** is the 20% darker color. If you saturate the color by 10%, you get **9.2281, 16.7211, 6.6046**, and if you desaturate by 10%, it is **10.7091, 17.4228, 9.4660**.

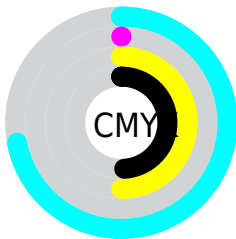
Distribution



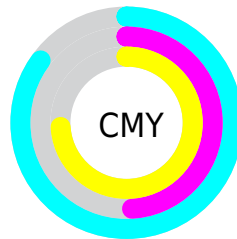
- Red (15%)
- Green (51%)
- Blue (26%)



- Red (15%)
- Yellow (43%)
- Blue (51%)



- Cyan (72%)
- Magenta (0%)
- Yellow (50%)
- Black (49%)





- Cyan (85%)
- Magenta (49%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 9.8626, 17.0193, 7.9195 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 9.8626, 17.0193, 7.9195 by changing the saturation by 10% instead.

 9.8626, 17.0193,
7.9195


 9.8626, 17.0193,
7.9195


183.7628,
235.2836, 185.0102


 5.3695, 10.2483,
3.9564


 25.1888, 38.3590,
22.3440


 2.5026, 5.5639,
1.6015

 36.7526, 53.6964,
33.6426


 0.8966, 2.5817,
0.2919

 51.4040, 72.6580,
48.2234

 0.0000, 0.9175,
0.0000

 69.5084, 95.6283,
66.5050

 0.0000, 0.0000,
0.0000

 91.4311, 122.9916,
88.9060

 117.5375,

155.1323, 115.8448

148.1929,
192.4348, 147.7400

■ 9.8626, 17.0193,
7.9195

■ 9.8626, 17.0193,
7.9195

■ 9.2281, 16.7211,
6.6046

■ 10.7091, 17.4228,
9.4660

■ 8.7832, 16.5156,
5.5087

■ 11.7843, 17.9386,
11.2533

■ 8.5068, 16.3894,
4.7600

■ 13.1048, 18.5756,
13.2919

■ 14.6851, 19.3411,
15.5910

■ 16.5386, 20.2417,
18.1594

■ 18.6779, 21.2837,
21.0056

■ 21.1145, 22.4731,
24.1375

■ 23.8596, 23.8152,
27.5629

■ 26.9235, 25.3154,
31.2891

Harmonies

Analogous

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



12.5010, 17.0193, 3.9279



9.8626, 17.0193, 7.9195



8.8855, 17.0193, 17.2477

Triad

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



9.8626, 17.0193, 7.9195



15.7218, 17.0193, 56.7963



25.3480, 17.0193, 9.2825

Complementary

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



9.8626, 17.0193, 7.9195



12.4204, 7.1080, 13.2879

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.



26.6480, 17.0193, 19.8767



9.8626, 17.0193, 7.9195



20.5095, 17.0193, 51.2607

Square

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



9.8626, 17.0193, 7.9195



11.8435, 17.0193, 48.7143



24.7340, 17.0193, 35.9131



21.4547, 17.0193, 4.4138

Rectangle

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



9.8626, 17.0193, 7.9195



9.1379, 17.0193, 26.9218



24.7340, 17.0193, 35.9131



26.1313, 17.0193, 12.0947

Sweetspot

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



9.8630, 17.0200, 7.9199



29.3490, 36.1172, 32.1557



14.0214, 19.2387, 4.7247



6.6496, 8.3196, 7.2356



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



9.8630, 17.0200, 7.9199



15.9913, 29.6952, 10.5600



11.8155, 17.8010, 18.2015



4.6711, 5.2267, 5.2793



8.3744, 16.1326, 4.6910



0.0320, 0.0571, 0.0319

Inverse Universe

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



12.4204, 7.1080, 13.2879



20.8218, 10.7850, 20.5605



10.7310, 6.4322, 4.3918



4.7983, 4.7390, 5.5504



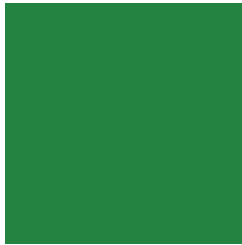
11.0559, 5.4867, 10.1328



0.0416, 0.0203, 0.0524

Previews

White Background



This preview shows how the XYZ color 9.8626, 17.0193, 7.9195 looks on a white background.

Color Contrast Check

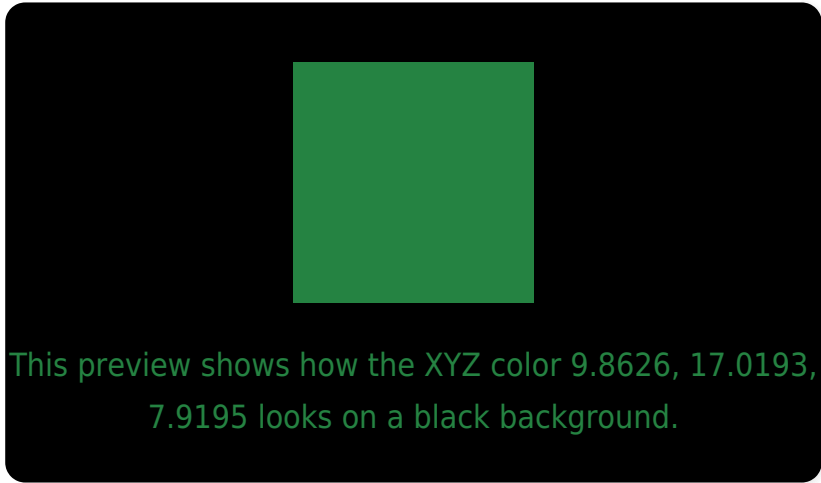
Large Text (above 18pt) WCAG AA ✓ Pass

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 9.8626, 17.0193, 7.9195

Background



This preview shows how black text looks on a background with the XYZ color 9.8626, 17.0193, 7.9195.



This preview shows how white text looks on a background with the XYZ color 9.8626, 17.0193,

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

9.8626, 17.0193, 7.9195

Protanopia

15.4371, 16.7965, 6.7034

Deuteranopia

17.1196, 16.8084, 8.4729



Tritanopia

13.3742, 17.0972, 25.1494

Trichromacy



Original Color

9.8626, 17.0193, 7.9195

Protanomaly

12.2021, 16.1604, 7.0336

Deuteranomaly

12.8336, 15.9315, 8.1930

Tritanomaly

11.7659, 17.0129, 17.1317

Monochromacy



Original Color

9.8626, 17.0193, 7.9195

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

9.7868, 12.8211, 10.3464

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.8626, 17.0193, 7.9195 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(37, 131, 66)` looks like.

```
.text, #text, p{  
    color:rgb(37, 131, 66)  
}
```

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(37, 131, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 131, 66) }
```

Border

The CSS property to change the border of an element to XYZ 9.8626, 17.0193, 7.9195 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(37, 131, 66) }
```


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

```
.border{ border-color:rgb(37, 131, 66) }
```

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

Here you see how a box with a 4 pixel rgb(37, 131, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 131, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 131, 66);  
box-shadow:4px 4px 4px 4px rgb(37, 131,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 9.8626, 17.0193, 7.9195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 131, 66) }
```

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

```
.background{ background-color: rgb(37, 131,  
66) }
```

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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