

Converting Colors

XYZ(18.8769, 20.7768, 4.3819)

Have a look what the booklet for
XYZ(18.8769, 20.7768, 4.3819)
contains.

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Color

**XYZ(18.8769, 20.7768,
4.3819)**

Conversions

Conversions Part 1

Format	Color
Hex	8E7E20
RGB	142, 126, 32
RGB Percent	56%, 49%, 13%
CMY	0.4431, 0.5059, 0.8745
CMYK	0.00, 0.11, 0.77, 0.44
HSL	51°, 63%, 34%
HSV	51°, 77%, 56%
XYZ	18.8769, 20.7768, 4.3819
YIQ	120.0680, 39.7100, -25.8420

Conversions

Conversions Part 2

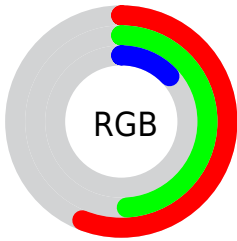
Format	Color
RYB	51, 142, 32
Decimal	9338400
CIELab	52.70, -4.42, 49.92
CIELCh	53, 50.113, 95.058
Yxy	20.7768, 0.4287, 0.4718
Android (android.graphics.Color)	4287528480 (0xFF8E7E20)
YUV	120.0680, -43.4175, 19.2344
Hunter-Lab	45.5816, -5.8448, 26.2074

Details

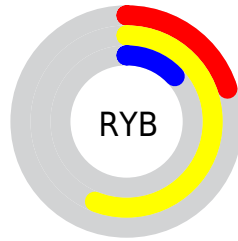
The XYZ color **18.8769, 20.7768, 4.3819** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **6.5351, 4.3739, 26.0908**, and the grayscale version is **18.0006, 18.9381, 20.6235**.

A 20% lighter version of the original color is **41.0738, 44.6230, 14.8358**, and **6.6784, 7.3825, 1.0730** is the 20% darker color. If you saturate the color by 10%, you get **18.4628, 20.1938, 3.4886**, and if you desaturate by 10%, it is **19.3806, 21.4060, 5.7161**.

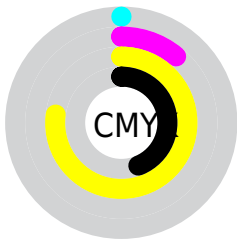
Distribution



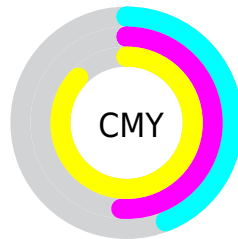
- Red (56%)
- Green (49%)
- Blue (13%)



- Red (20%)
- Yellow (56%)
- Blue (13%)



- Cyan (0%)
- Magenta (11%)
- Yellow (77%)
- Black (44%)



- Cyan (44%)
- Magenta (51%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8769, 20.7768, 4.3819 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 18.8769, 20.7768, 4.3819 by changing the saturation by 10% instead.

■ 18.8769, 20.7768,
4.3819

■ 18.8769, 20.7768,
4.3819

238.7195,
256.0899, 152.3800

■ 11.6848, 12.9609,
1.8371

■ 41.0445, 44.7158,
14.8814

■ 6.6001, 7.4017,
0.4523

■ 56.7507, 61.6077,
23.6731

■ 3.2574, 3.7145,
0.0000

■ 76.0257, 82.2937,
35.3843

■ 1.2913, 1.5152,
0.0000

■ 99.2348, 107.1583,
50.4334

■ 0.1767, 0.2994,
0.0000

■ 126.7434,
136.5858, 69.2390

■ 0.0000, 0.0000,
0.0000

■ 158.9168,

170.9607, 92.2196

196.1204,
210.6672, 119.7938

■ 18.8769, 20.7768,
4.3819

■ 18.8769, 20.7768,
4.3819

■ 18.4628, 20.1938,
3.4886

■ 19.3806, 21.4060,
5.7161

■ 18.1191, 19.6468,
2.9407

■ 19.9820, 22.0822,
7.5402

■ 18.0353, 19.5108,
2.8154

■ 20.6900, 22.8098,
9.8979

■ 21.5118, 23.5919,
12.8278

■ 22.4541, 24.4311,
16.3650

■ 23.5232, 25.3300,
20.5417

■ 24.7246, 26.2909,
25.3878

■ 26.0638, 27.3159,
30.9313

■ 27.5458, 28.4072,
37.1987

Harmonies

Analogous

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



24.2841, 20.7768, 5.2982



18.8769, 20.7768, 4.3819



14.5307, 20.7768, 6.3195

Triad

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



18.8769, 20.7768, 4.3819



12.6257, 20.7768, 43.4469



30.3041, 20.7768, 37.0182

Complementary

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



18.8769, 20.7768, 4.3819



6.5351, 4.3739, 26.0908

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.



26.0842, 20.7768, 55.2028



18.8769, 20.7768, 4.3819



15.8147, 20.7768, 59.9196

Square

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



18.8769, 20.7768, 4.3819



11.3503, 20.7768, 25.2496



20.6449, 20.7768, 64.9669



31.5117, 20.7768, 20.1841

Rectangle

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



18.8769, 20.7768, 4.3819



12.6170, 20.7768, 9.8408



20.6449, 20.7768, 64.9669



29.1584, 20.7768, 43.3728

Sweetspot

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



18.8774, 20.7778, 4.3823



40.3199, 43.7012, 31.6548



12.2158, 7.0015, 3.5586



8.8747, 9.6492, 6.5638



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



18.8774, 20.7778, 4.3823



32.1018, 34.8870, 5.4177



15.5848, 22.3634, 4.8619



5.7737, 6.1536, 5.7728



16.2034, 17.5384, 2.5312



0.1667, 0.1913, 0.0281

Inverse Universe

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



6.5351, 4.3739, 26.0908



9.4566, 4.8944, 45.5742



7.9612, 4.3070, 26.0027



5.1890, 5.3737, 6.7925



4.6278, 2.2417, 23.1659



0.0540, 0.0409, 0.2247

Previews

White Background



This preview shows how the XYZ color 18.8769, 20.7768, 4.3819 looks on a white 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

Black Background



This preview shows how the XYZ color 18.8769, 20.7768, 4.3819 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 18.8769, 20.7768, 4.3819

Background



This preview shows how black text looks on a background with the XYZ color 18.8769, 20.7768, 4.3819.



This preview shows how white text looks on a background with the XYZ color 18.8769, 20.7768,

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

18.8769, 20.7768, 4.3819

Protanopia

18.7061, 20.6887, 4.3739

Deuteranopia

21.1204, 20.8234, 4.4963



Tritanopia

22.5865, 20.6444, 22.8730

Trichromacy



Original Color

18.8769, 20.7768, 4.3819

Protanomaly

18.7061, 20.6887, 4.3739

Deuteranomaly

20.1972, 20.7100, 4.4463

Tritanomaly

20.5023, 20.3166, 12.9661

Monochromacy



Original Color

18.8769, 20.7768, 4.3819

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.6231, 19.2128, 12.0121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8769, 20.7768, 4.3819 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(142, 126, 32)` looks like.

```
.text, #text, p{  
    color:rgb(142, 126, 32)  
}
```

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(142, 126, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 126, 32) }
```

Border

The CSS property to change the border of an element to XYZ 18.8769, 20.7768, 4.3819 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(142, 126, 32) }
```


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

```
.border{ border-color:rgb(142, 126, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 126, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 126, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 126, 32);  
box-shadow:4px 4px 4px 4px rgb(142, 126,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8769, 20.7768, 4.3819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 126, 32) }
```

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

```
.background{ background-color: rgb(142,  
126, 32) }
```

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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