

Converting Colors

XYZ(18.4628, 20.1938, 3.4886)

Have a look what the booklet for
XYZ(18.4628, 20.1938, 3.4886)
contains.

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Color

**XYZ(18.4722, 20.2098,
3.4996)**

Conversions

Conversions Part 1

Format	Color
Hex	8E7C12
RGB	142, 124, 18
RGB Percent	56%, 49%, 7%
CMY	0.4431, 0.5137, 0.9294
CMYK	0.00, 0.13, 0.87, 0.44
HSL	51°, 77%, 31%
HSV	51°, 87%, 56%
XYZ	18.4722, 20.2098, 3.4996
YIQ	117.2980, 44.7540, -29.1500

Conversions

Conversions Part 2

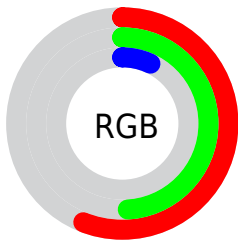
Format	Color
R_{YB}	39, 142, 18
Decimal	9337874
CIE Lab	52.07, -3.80, 53.78
CIE LCh	52, 53.913, 94.041
Yxy	20.2098, 0.4379, 0.4791
Android (android.graphics.Color)	4287527954 (0xFF8E7C12)
YUV	117.2980, -48.9539, 21.6637
Hunter-Lab	44.9553, -5.3259, 26.8532

Details

The XYZ color **18.4722, 20.2098, 3.4996** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.7630, 3.3435, 25.9326**, and the grayscale version is **17.1393, 18.0319, 19.6367**.

A 20% lighter version of the original color is **40.3146, 43.6872, 12.7862**, and **6.6089, 7.2436, 1.0498** is the 20% darker color. If you saturate the color by 10%, you get **18.1287, 19.6642, 2.9494**, and if you desaturate by 10%, it is **18.8880, 20.7945, 4.3995**.

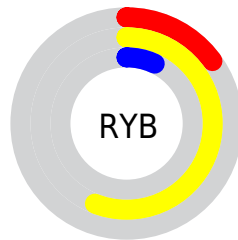
Distribution



Red (56%)

Green (49%)

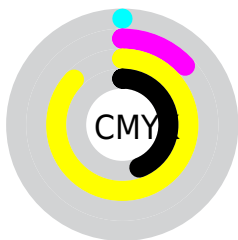
Blue (7%)



Red (15%)

Yellow (56%)

Blue (7%)

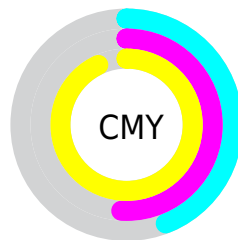


Cyan (0%)

Magenta (13%)

Yellow (87%)

Black (44%)



Cyan (44%)

Magenta (51%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4722, 20.2098, 3.4996 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 18.4722, 20.2098, 3.4996 by changing the saturation by 10% instead.

■ 18.4722, 20.2098,
3.4996

■ 18.4722, 20.2098,
3.4996

236.5137,
253.0486, 142.4895

■ 11.3913, 12.5476,
1.3551

■ 40.3641, 43.7686,
12.8382

■ 6.3999, 7.1178,
0.1063

■ 55.9058, 60.4341,
20.8693

■ 3.1327, 3.5359,
0.0000

■ 74.9985, 80.8695,
31.6997

■ 1.2243, 1.4175,
0.0000

■ 98.0075, 105.4592,
45.7479

■ 0.1254, 0.2296,
0.0000

■ 125.2981,
134.5875, 63.4324

■ 0.0000, 0.0000,
0.0000

■ 157.2358,

168.6390, 85.1718

194.1859,
207.9979, 111.3847

18.4722, 20.2098,
3.4996

18.4722, 20.2098,
3.4996

18.1287, 19.6642,
2.9494

18.8880, 20.7945,
4.3995

18.0402, 19.5207,
2.8170

19.3921, 21.4224,
5.7398

19.9945, 22.0984,
7.5711

20.7035, 22.8259,
9.9366

21.5265, 23.6077,
12.8748

■ 22.4701, 24.4467,
16.4207

■ 23.5404, 25.3454,
20.6066

■ 24.7432, 26.3060,
25.4622

■ 26.0838, 27.3307,
31.0157

Harmonies

Analogous

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



24.2263, 20.2098, 4.4506



18.4722, 20.2098, 3.4996



13.8703, 20.2098, 5.2284

Triad

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



18.4722, 20.2098, 3.4996



11.7030, 20.2098, 43.7194



30.3882, 20.2098, 38.1263

Complementary

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



18.4722, 20.2098, 3.4996



5.7630, 3.3435, 25.9326

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.



25.7666, 20.2098, 57.9105



18.4722, 20.2098, 3.4996



14.9368, 20.2098, 62.0805

Square

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



18.4722, 20.2098, 3.4996



10.4644, 20.2098, 24.2121



19.9647, 20.2098, 68.2309



31.8249, 20.2098, 19.9363

Rectangle

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



18.4722, 20.2098, 3.4996



11.8497, 20.2098, 8.5698



19.9647, 20.2098, 68.2309



29.1173, 20.2098, 45.0461

Sweetspot

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



18.4727, 20.2108, 3.5000



39.7632, 43.2296, 29.4903



11.6994, 6.3147, 2.3202



8.7632, 9.5531, 6.1350



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.



18.4727, 20.2108, 3.5000



31.7206, 34.2393, 4.9370



14.8844, 22.0199, 4.0383



5.7738, 6.1539, 5.7729



16.2078, 17.5473, 2.5327



0.1667, 0.1913, 0.0281

Inverse Universe

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



5.7630, 3.3435, 25.9326



8.9937, 4.2117, 45.4668



7.0483, 3.3908, 25.8740



5.1889, 5.3735, 6.7925



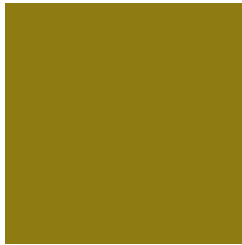
4.6272, 2.2403, 23.1656



0.0540, 0.0409, 0.2247

Previews

White Background



This preview shows how the XYZ color 18.4722, 20.2098, 3.4996 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 18.4722, 20.2098, 3.4996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

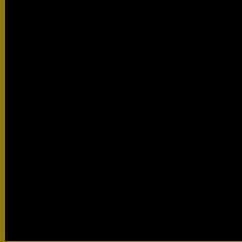
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.4722, 20.2098, 3.4996

Background



This preview shows how black text looks on a background with the XYZ color 18.4722, 20.2098, 3.4996.



This preview shows how white text looks on a background with the XYZ color 18.4722, 20.2098,

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

18.4722, 20.2098, 3.4996

Protanopia

18.2580, 20.2864, 3.5256

Deuteranopia

20.5377, 20.1868, 3.6246



Tritanopia

22.1633, 20.1063, 21.7815

Trichromacy



Original Color

18.4722, 20.2098, 3.4996

Protanomaly

18.4273, 20.3736, 3.5335

Deuteranomaly

19.8007, 20.1625, 3.5576

Tritanomaly

19.9722, 19.7237, 11.3487

Monochromacy



Original Color

18.4722, 20.2098, 3.4996

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.8059, 18.4626, 10.4625

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4722, 20.2098, 3.4996 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, 124, 18)` looks like.

```
.text, #text, p{  
    color:rgb(142, 124, 18)  
}
```

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, 124, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 124, 18) }
```

Border

The CSS property to change the border of an element to XYZ 18.4722, 20.2098, 3.4996 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, 124, 18) }
```


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

```
.border{ border-color:rgb(142, 124, 18) }
```

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

Here you see how a box with a 4 pixel rgb(142, 124, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 124, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 124, 18);  
box-shadow:4px 4px 4px 4px rgb(142, 124,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4722, 20.2098, 3.4996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 124, 18) }
```

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

```
.background{ background-color: rgb(142,  
124, 18) }
```

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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