

Converting Colors

XYZ(17.6838, 21.1894, 9.9822)

Have a look what the booklet for
XYZ(17.6838, 21.1894, 9.9822)
contains.

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Color

**XYZ(17.7241, 21.2353,
10.0021)**

Conversions

Conversions Part 1

Format	Color
Hex	7B844C
RGB	123, 132, 76
RGB Percent	48%, 52%, 30%
CMY	0.5176, 0.4823, 0.7020
CMYK	0.07, 0.00, 0.42, 0.48
HSL	70°, 27%, 41%
HSV	70°, 42%, 52%
XYZ	17.7241, 21.2353, 10.0021
YIQ	122.9250, 12.6120, -19.3240

Conversions

Conversions Part 2

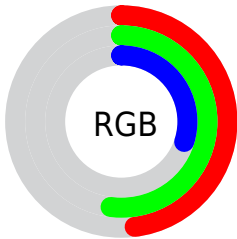
Format	Color
RYB	76, 132, 85
Decimal	8094796
CIELab	53.21, -12.64, 29.08
CIElCh	53, 31.709, 113.501
Yxy	21.2353, 0.3620, 0.4337
Android (android.graphics.Color)	4286284876 (0xFF7B844C)
YUV	122.9250, -23.1340, 0.0658
Hunter-Lab	46.0818, -11.9879, 19.3883

Details

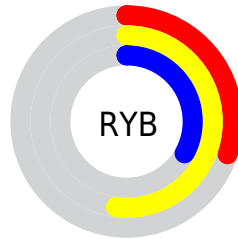
The XYZ color **17.7241, 21.2353, 10.0021** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **10.4965, 8.7667, 22.9700**, and the grayscale version is **18.8734, 19.8563, 21.6235**.

A 20% lighter version of the original color is **39.0194, 45.4344, 26.4518**, and **6.0753, 7.6967, 2.3937** is the 20% darker color. If you saturate the color by 10%, you get **17.0114, 20.9163, 7.8142**, and if you desaturate by 10%, it is **18.5387, 21.5973, 12.6873**.

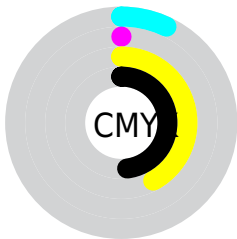
Distribution



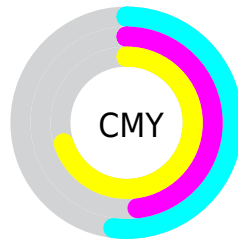
- Red (48%)
- Green (52%)
- Blue (30%)



- Red (30%)
- Yellow (52%)
- Blue (33%)



- Cyan (7%)
- Magenta (0%)
- Yellow (42%)
- Black (48%)



- Cyan (52%)
- Magenta (48%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7241, 21.2353, 10.0021 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 17.7241, 21.2353, 10.0021 by changing the saturation by 10% instead.

■ 17.7241, 21.2353,
10.0021

■ 17.7241, 21.2353,
10.0021

232.3871,
258.5263, 201.1724

■ 10.8506, 13.2961,
5.2947

■ 39.1004, 45.4788,
26.4073

■ 6.0330, 7.6328,
2.3595

■ 54.3339, 62.5519,
38.9423

■ 2.9060, 3.8609,
0.7642

■ 73.0848, 83.4385,
54.9235

■ 1.1043, 1.5960,
0.0000

■ 95.7184, 108.5228,
74.7695

■ 0.0287, 0.3549,
0.0000

■ 122.6000,
138.1894, 98.8988

■ 0.0000, 0.0000,
0.0000

154.0951,

172.8226, 127.7301

190.5690,
212.8068, 161.6818

■ 17.7241, 21.2353,
10.0021

■ 17.7241, 21.2353,
10.0021

■ 17.0114, 20.9163,
7.8142

■ 18.5387, 21.5973,
12.6873

■ 16.3930, 20.6350,
6.0916

■ 19.4589, 22.0016,
15.8963

■ 15.8632, 20.3898,
4.8009

■ 20.4901, 22.4511,
19.6556

■ 15.4144, 20.1779,
3.9035

■ 21.6371, 22.9477,
23.9892

■ 15.0381, 19.9957,
3.3541

■ 22.9042, 23.4931,
28.9199

■ 14.7796, 19.8688,
3.0561

■ 24.2954, 24.0889,
34.4692

■ 25.8148, 24.7368,
40.6575

■ 27.4660, 25.4382,
47.5043

■ 29.2526, 26.1945,
55.0283

Harmonies

Analogous

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



20.9208, 21.2353, 9.2168



17.7241, 21.2353, 10.0021



15.4389, 21.2353, 13.7990

Triad

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



17.7241, 21.2353, 10.0021



16.5920, 21.2353, 41.3309



27.2779, 21.2353, 25.2714

Complementary

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



17.7241, 21.2353, 10.0021



10.4965, 8.7667, 22.9700

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.



25.8124, 21.2353, 35.9105



17.7241, 21.2353, 10.0021



19.4638, 21.2353, 46.6984

Square

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



17.7241, 21.2353, 10.0021



14.8376, 21.2353, 31.2789



22.8605, 21.2353, 44.4807



26.6802, 21.2353, 16.5223

Rectangle

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



17.7241, 21.2353, 10.0021



14.6197, 21.2353, 18.2717



22.8605, 21.2353, 44.4807



27.0054, 21.2353, 28.7617

Sweetspot

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



17.7246, 21.2363, 10.0025



35.9260, 39.4735, 34.0087



14.0224, 11.8308, 8.3822



8.2792, 9.1532, 7.6039



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.



17.7246, 21.2363, 10.0025



29.9973, 36.8569, 13.8625



14.3384, 19.4906, 9.8441



4.9682, 5.3862, 5.0072



14.3132, 19.2387, 2.9591



0.0545, 0.0692, 0.0105

Inverse Universe

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



10.4965, 8.7667, 22.9700



15.4922, 11.8127, 39.9167



13.4831, 10.3063, 23.1098



4.4991, 4.5779, 5.8472



4.3400, 1.7715, 21.2499



0.0191, 0.0082, 0.0738

Previews

White Background



This preview shows how the XYZ color 17.7241, 21.2353, 10.0021 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 17.7241, 21.2353, 10.0021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

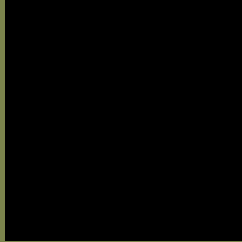
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.7241, 21.2353, 10.0021

Background



This preview shows how black text looks on a background with the XYZ color 17.7241, 21.2353, 10.0021.



This preview shows how white text looks on a background with the XYZ color 17.7241, 21.2353,

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

17.7241, 21.2353, 10.0021

Protanopia

19.4729, 21.1621, 9.5369

Deuteranopia

21.3494, 20.9971, 10.1353



Tritanopia

20.9127, 21.1623, 25.9042

Trichromacy



Original Color

17.7241, 21.2353, 10.0021

Protanomaly

18.7931, 21.1951, 9.7572

Deuteranomaly

19.8285, 20.9538, 10.0206

Tritanomaly

19.5088, 21.1653, 18.9767

Monochromacy



Original Color

17.7241, 21.2353, 10.0021

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.2308, 20.1733, 16.5686

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7241, 21.2353, 10.0021 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(123, 132, 76)` looks like.

```
.text, #text, p{  
    color:rgb(123, 132, 76)  
}
```

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(123, 132, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 132, 76) }
```

Border

The CSS property to change the border of an element to XYZ 17.7241, 21.2353, 10.0021 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(123, 132, 76) }
```


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

```
.border{ border-color:rgb(123, 132, 76) }
```

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

Here you see how a box with a 4 pixel rgb(123, 132, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 132, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 132, 76);  
box-shadow:4px 4px 4px 4px rgb(123, 132,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7241, 21.2353, 10.0021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 132, 76) }
```

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

```
.background{ background-color: rgb(123,  
132, 76) }
```

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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