

Converting Colors

XYZ(17.7374, 21.0230, 16.1798)

Have a look what the booklet for
XYZ(17.7374, 21.0230, 16.1798)
contains.

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Color

**XYZ(17.8202, 21.1468,
16.2392)**

Conversions

Conversions Part 1

Format	Color
Hex	738468
RGB	115, 132, 104
RGB Percent	45%, 52%, 41%
CMY	0.5490, 0.4823, 0.5922
CMYK	0.13, 0.00, 0.21, 0.48
HSL	96°, 12%, 46%
HSV	96°, 21%, 52%
XYZ	17.8202, 21.1468, 16.2392
YIQ	123.7250, -1.1440, -12.3120

Conversions

Conversions Part 2

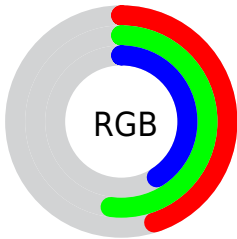
Format	Color
RYB	104, 132, 121
Decimal	7570536
CIELab	53.11, -11.71, 13.09
CIElCh	53, 17.567, 131.822
Yxy	21.1468, 0.3228, 0.3831
Android (android.graphics.Color)	4285760616 (0xFF738468)
YUV	123.7250, -9.7244, -7.6518
Hunter-Lab	45.9856, -11.3032, 11.2525

Details

The XYZ color **17.8202, 21.1468, 16.2392** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **17.0011, 15.6320, 23.9521**, and the grayscale version is **19.0987, 20.0933, 21.8816**.

A 20% lighter version of the original color is **39.2017, 45.2800, 37.6841**, and **6.1465, 7.6752, 5.0284** is the 20% darker color. If you saturate the color by 10%, you get **16.1931, 20.3801, 12.9328**, and if you desaturate by 10%, it is **19.6450, 22.0045, 20.1037**.

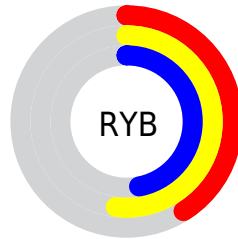
Distribution



Red (45%)

Green (52%)

Blue (41%)



Red (41%)

Yellow (52%)

Blue (47%)

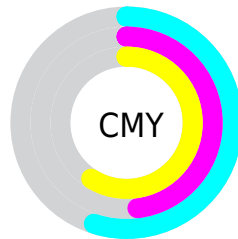


Cyan (13%)

Magenta (0%)

Yellow (21%)

Black (48%)



Cyan (55%)

Magenta (48%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8202, 21.1468, 16.2392 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 17.8202, 21.1468, 16.2392 by changing the saturation by 10% instead.

■ 17.8202, 21.1468,
16.2392

■ 17.8202, 21.1468,
16.2392

232.9209,
258.0576, 242.6428

■ 10.9199, 13.2314,
9.5374

■ 39.2632, 45.3317,
37.7855

■ 6.0799, 7.5880,
4.9918

■ 54.5366, 62.3700,
53.4671

■ 2.9348, 3.8325,
2.1838

■ 73.3317, 83.2180,
72.9791

■ 1.1194, 1.5803,
0.6650

■ 96.0139, 108.2601,
96.7399

■ 0.0413, 0.3443,
0.0000

122.9486,
137.8807, 125.1681

■ 0.0000, 0.0000,
0.0000

154.5011,

172.4642, 158.6823

191.0367,
212.3951, 197.7010

■ 17.8202, 21.1468,
16.2392

■ 17.8202, 21.1468,
16.2392

■ 16.1931, 20.3801,
12.9328

■ 19.6450, 22.0045,
20.1037

■ 14.7550, 19.6987,
10.1574

■ 21.6728, 22.9536,
24.5489

■ 13.4986, 19.1000,
7.8856

■ 23.9104, 23.9977,
29.5981

■ 12.4157, 18.5804,
6.0871

■ 26.3640, 25.1395,
35.2727

■ 11.4974, 18.1362,
4.7283

■ 29.0396, 26.3817,
41.5931

■ 10.7337, 17.7628,
3.7712

■ 31.9428, 27.7267,
48.5787

■ 10.1131, 17.4555,
3.1713

■ 35.0789, 29.1769,
56.2483

■ 9.6603, 17.2295,
2.8165

■ 38.4533, 30.7347,
64.6197

■ 42.0710, 32.4022,
73.7102

Harmonies

Analogous

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



19.3796, 21.1468, 14.4264



17.8202, 21.1468, 16.2392



16.9066, 21.1468, 19.9921

Triad

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



17.8202, 21.1468, 16.2392



19.0103, 21.1468, 34.1198



23.7847, 21.1468, 21.0012

Complementary

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



17.8202, 21.1468, 16.2392



17.0011, 15.6320, 23.9521

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.



23.6708, 21.1468, 26.3507



17.8202, 21.1468, 16.2392



20.8368, 21.1468, 34.5010

Square

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



17.8202, 21.1468, 16.2392



17.5642, 21.1468, 30.5058



22.5651, 21.1468, 31.4790



22.8676, 21.1468, 16.8800

Rectangle

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



17.8202, 21.1468, 16.2392



16.7506, 21.1468, 23.3506



22.5651, 21.1468, 31.4790



23.8672, 21.1468, 22.7029

Sweetspot

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



17.8208, 21.1477, 16.2397



36.3716, 39.5875, 39.2573



18.8283, 19.5320, 15.8747



8.4240, 9.1962, 9.0433



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.



17.8208, 21.1477, 16.2397



30.1022, 36.6434, 25.9559



16.6041, 20.5038, 16.9377



4.7766, 5.2874, 4.9982



9.3589, 16.6846, 2.7272



0.0402, 0.0618, 0.0098

Inverse Universe

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



17.0011, 15.6320, 23.9521



28.4135, 25.2858, 41.8363



18.4425, 16.3970, 23.0325



4.6855, 4.6740, 5.8560



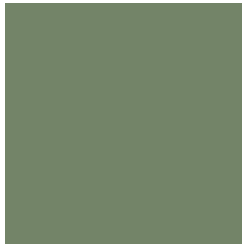
7.2540, 3.2737, 21.3863



0.0334, 0.0156, 0.0745

Previews

White Background



This preview shows how the XYZ color 17.8202, 21.1468, 16.2392 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 17.8202, 21.1468, 16.2392 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

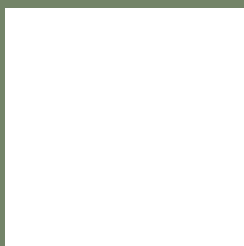
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.8202, 21.1468, 16.2392

Background



This preview shows how black text looks on a background with the XYZ color 17.8202, 21.1468, 16.2392.



This preview shows how white text looks on a background with the XYZ color 17.8202, 21.1468,

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

17.8202, 21.1468, 16.2392

Protanopia

19.6413, 20.9296, 15.3165

Deuteranopia

21.4151, 21.0707, 16.5740



Tritanopia

19.9225, 21.0068, 27.0494

Trichromacy



Original Color

17.8202, 21.1468, 16.2392

Protanomaly

18.8698, 20.9097, 15.6118

Deuteranomaly

20.0023, 21.0925, 16.3816

Tritanomaly

19.0874, 21.0584, 22.7973

Monochromacy



Original Color

17.8202, 21.1468, 16.2392

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.6854, 20.5280, 19.8071

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8202, 21.1468, 16.2392 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(115, 132, 104)` looks like.

```
.text, #text, p{  
    color:rgb(115, 132, 104)  
}
```

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(115, 132, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 132, 104) }
```

Border

The CSS property to change the border of an element to XYZ 17.8202, 21.1468, 16.2392 is called "border". The border property can be set on classes, ids or directly on the HTML element.

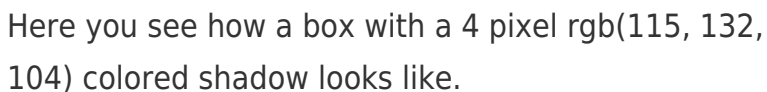
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(115, 132, 104) }
```


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

```
.border{ border-color:rgb(115, 132, 104) }
```

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



Here you see how a box with a 4 pixel `rgb(115, 132, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 132, 104); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 132, 104); box-shadow:4px 4px 4px 4px rgb(115, 132, 104) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8202, 21.1468, 16.2392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 132, 104) }
```

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

```
.background{ background-color: rgb(115,  
132, 104) }
```

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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