

Converting Colors

XYZ(20.4566, 20.5414, 18.8933)

Have a look what the booklet for
XYZ(20.4566, 20.5414, 18.8933)
contains.

XYZ(20.4780, 20.5372, 18.8044)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.4780, 20.5372,
18.8044)**

Conversions

Conversions Part 1

Format	Color
Hex	8A7A72
RGB	138, 122, 114
RGB Percent	54%, 48%, 45%
CMY	0.4588, 0.5216, 0.5529
CMYK	0.00, 0.12, 0.17, 0.46
HSL	20°, 10%, 49%
HSV	20°, 17%, 54%
XYZ	20.4780, 20.5372, 18.8044
YIQ	125.8720, 12.1040, 0.9040

Conversions

Conversions Part 2

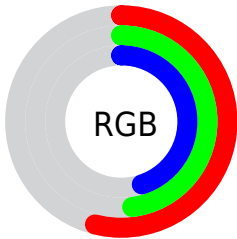
Format	Color
R_{YB}	138, 126, 114
Decimal	9075314
CIE Lab	52.44, 4.75, 6.62
CIE LCh	52, 8.148, 54.351
Yxy	20.5372, 0.3423, 0.3433
Android (android.graphics.Color)	4287265394 (0xFF8A7A72)
YUV	125.8720, -5.8529, 10.6363
Hunter-Lab	45.3180, 1.3530, 7.1206

Details

The XYZ color **20.4780, 20.5372, 18.8044** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.5094, 21.3772, 27.1428**, and the grayscale version is **19.8045, 20.8359, 22.6903**.

A 20% lighter version of the original color is **43.7572, 44.2317, 42.3077**, and **7.3904, 7.2331, 6.1609** is the 20% darker color. If you saturate the color by 10%, you get **18.6747, 18.0940, 14.6159**, and if you desaturate by 10%, it is **22.5079, 23.2435, 23.6537**.

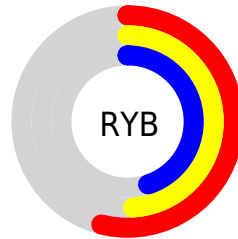
Distribution



Red (54%)

Green (48%)

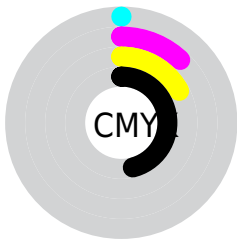
Blue (45%)



Red (54%)

Yellow (49%)

Blue (45%)

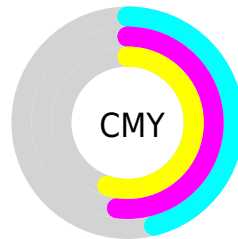


Cyan (0%)

Magenta (12%)

Yellow (17%)

Black (46%)



Cyan (46%)

Magenta (52%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4780, 20.5372, 18.8044 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 20.4780, 20.5372, 18.8044 by changing the saturation by 10% instead.

■ 20.4780, 20.5372,
18.8044

■ 20.4780, 20.5372,
18.8044

247.2757,
254.8086, 257.7534

■ 12.8533, 12.7861,
11.3536

■ 43.7150, 44.3160,
42.2356

■ 7.4039, 7.2814,
6.1881

■ 60.0580, 61.1126,
59.0531

■ 3.7645, 3.6387,
2.8891

■ 80.0377, 81.6931,
79.8300

■ 1.5698, 1.4736,
1.0383

■ 104.0196,
106.4419, 104.9848

■ 0.3726, 0.2700,
0.0000

132.3690,
135.7435, 134.9360

■ 0.0000, 0.0000,
0.0000

165.4513,

169.9822, 170.1021

203.6317,
209.5425, 210.9018

■ 20.4780, 20.5372,
18.8044

■ 20.4780, 20.5372,
18.8044

■ 18.6747, 18.0940,
14.6159

■ 22.5079, 23.2435,
23.6537

■ 17.0880, 15.9032,
11.0580

■ 24.7706, 26.2178,
29.1895

■ 15.7097, 13.9572,
8.1002

■ 27.2739, 29.4683,
35.4378

■ 14.5305, 12.2470,
5.7087

■ 30.0250, 33.0022,
42.4228

■ 13.5401, 10.7631,
3.8466

■ 33.0306, 36.8262,
50.1677

■ 12.7273, 9.4953,
2.4722

■ 36.2972, 40.9467,
58.6945

■ 12.0793, 8.4323,
1.5379

■ 39.8312, 45.3703,
68.0243

■ 11.5750, 7.5592,
0.9524

■ 43.6384, 50.1030,
78.1776

■ 11.4588, 7.3584,
0.8164

■ 47.7248, 55.1508,
89.1739

Harmonies

Analogous

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



21.0310, 20.5372, 20.5053



20.4780, 20.5372, 18.8044



19.6797, 20.5372, 18.0610

Triad

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



20.4780, 20.5372, 18.8044



17.9541, 20.5372, 21.9086



20.1946, 20.5372, 26.8530

Complementary

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



20.4780, 20.5372, 18.8044



19.5094, 21.3772, 27.1428

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.



19.3612, 20.5372, 27.2956



20.4780, 20.5372, 18.8044



18.0831, 20.5372, 24.3265

Square

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



20.4780, 20.5372, 18.8044



18.2349, 20.5372, 19.7688



18.5923, 20.5372, 26.3411



20.8641, 20.5372, 25.1716

Rectangle

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



20.4780, 20.5372, 18.8044



19.1218, 20.5372, 18.1671



18.5923, 20.5372, 26.3411



19.9237, 20.5372, 27.1565

Sweetspot

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



20.4786, 20.5381, 18.8048



40.5482, 42.1256, 43.8137



20.5280, 19.0499, 23.7144



9.0423, 9.3794, 9.6998



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



20.4786, 20.5381, 18.8048



34.7594, 34.3988, 30.0128



22.0438, 23.6686, 19.3266



5.1603, 5.3034, 5.3041



10.5185, 6.7714, 0.7526



0.0823, 0.0698, 0.0091

Inverse Universe

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



19.5094, 21.3772, 27.1428



32.7097, 36.1714, 47.6410



18.0056, 18.3696, 26.6416



5.0347, 5.4123, 6.3852



7.7276, 8.7255, 23.3226



0.0648, 0.0850, 0.1594

Previews

White Background



This preview shows how the XYZ color 20.4780, 20.5372, 18.8044 looks on a white background.

Color Contrast Check

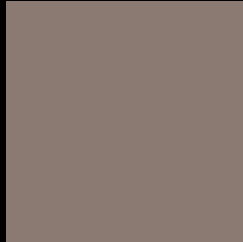
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4780, 20.5372, 18.8044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

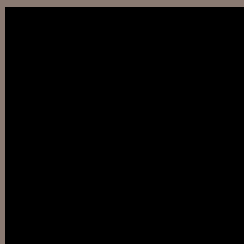
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.4780, 20.5372, 18.8044

Background



This preview shows how black text looks on a background with the XYZ color 20.4780, 20.5372, 18.8044.



This preview shows how white text looks on a background with the XYZ color 20.4780, 20.5372,

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

20.4780, 20.5372, 18.8044

Protanopia

19.6340, 20.6509, 19.1708

Deuteranopia

20.8591, 20.5524, 18.7872



Tritanopia

21.4941, 20.5934, 23.6109

Trichromacy



Original Color

20.4780, 20.5372, 18.8044

Protanomaly

19.9750, 20.6397, 19.1507

Deuteranomaly

20.6899, 20.4651, 18.7793

Tritanomaly

21.1229, 20.6189, 21.9353

Monochromacy



Original Color

20.4780, 20.5372, 18.8044

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.0524, 20.8182, 21.3738

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4780, 20.5372, 18.8044 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(138, 122, 114)` looks like.

```
.text, #text, p{  
    color:rgb(138, 122, 114)  
}
```

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(138, 122, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 122, 114) }
```

Border

The CSS property to change the border of an element to XYZ 20.4780, 20.5372, 18.8044 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(138, 122, 114) }
```


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

```
.border{ border-color:rgb(138, 122, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 122, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 122, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 122, 114);  
box-shadow:4px 4px 4px 4px rgb(138, 122,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4780, 20.5372, 18.8044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 122, 114) }
```

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

```
.background{ background-color: rgb(138,  
122, 114) }
```

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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