

Converting Colors

XYZ(20.4581, 20.8301, 16.9337)

Have a look what the booklet for
XYZ(20.4581, 20.8301, 16.9337)
contains.

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Color

**XYZ(20.3843, 20.7164,
16.8342)**

Conversions

Conversions Part 1

Format	Color
Hex	8B7B6B
RGB	139, 123, 107
RGB Percent	55%, 48%, 42%
CMY	0.4549, 0.5176, 0.5804
CMYK	0.00, 0.12, 0.23, 0.45
HSL	30°, 13%, 48%
HSV	30°, 23%, 55%
XYZ	20.3843, 20.7164, 16.8342
YIQ	125.9600, 14.6720, -1.5840

Conversions

Conversions Part 2

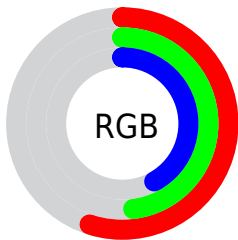
Format	Color
R_{YB}	139, 139, 107
Decimal	9141099
CIE Lab	52.64, 3.44, 11.00
CIE LCh	53, 11.522, 72.651
Yxy	20.7164, 0.3518, 0.3576
Android (android.graphics.Color)	4287331179 (0xFF8B7B6B)
YUV	125.9600, -9.3473, 11.4361
Hunter-Lab	45.5153, 0.2906, 9.9318

Details

The XYZ color **20.3843, 20.7164, 16.8342** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.8065, 19.1555, 27.1852**, and the grayscale version is **19.8453, 20.8788, 22.7370**.

A 20% lighter version of the original color is **43.4938, 44.4660, 38.6382**, and **7.3842, 7.3477, 5.3040** is the 20% darker color. If you saturate the color by 10%, you get **18.8795, 18.7845, 13.0101**, and if you desaturate by 10%, it is **22.0690, 22.8197, 21.2988**.

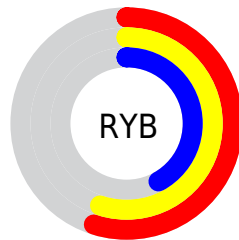
Distribution



Red (55%)

Green (48%)

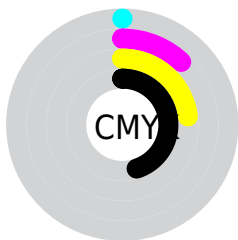
Blue (42%)



Red (55%)

Yellow (55%)

Blue (42%)

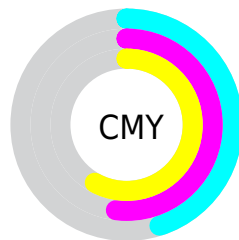


Cyan (0%)

Magenta (12%)

Yellow (23%)

Black (45%)



Cyan (45%)

Magenta (52%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3843, 20.7164, 16.8342 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 20.3843, 20.7164, 16.8342 by changing the saturation by 10% instead.

■ 20.3843, 20.7164,
16.8342

■ 20.3843, 20.7164,
16.8342

246.7821,
255.7675, 246.2266

■ 12.7846, 12.9169,
9.9556

■ 43.5596, 44.6151,
38.8272

■ 7.3564, 7.3713,
5.2643

■ 59.8659, 61.4830,
54.7788

■ 3.7342, 3.6954,
2.3417

■ 79.8051, 82.1425,
74.5917

■ 1.5529, 1.5047,
0.7545

■ 103.7426,
106.9779, 98.6846

■ 0.3614, 0.2920,
0.0000

132.0436,
136.3738, 127.4761

■ 0.0000, 0.0000,
0.0000

165.0737,

170.7144, 161.3845

203.1981,
210.3841, 200.8285

■ 20.3843, 20.7164,
16.8342

■ 20.3843, 20.7164,
16.8342

■ 18.8795, 18.7845,
13.0101

■ 22.0690, 22.8197,
21.2988

■ 17.5461, 17.0163,
9.7952

■ 23.9384, 25.0960,
26.4306

■ 16.3772, 15.4077,
7.1576

■ 25.9991, 27.5506,
32.2563

■ 15.3649, 13.9535,
5.0620

■ 28.2571, 30.1877,
38.8008

■ 14.5004, 12.6477,
3.4688

■ 30.7177, 33.0114,
46.0877

■ 13.7738, 11.4843,
2.3333

■ 33.3863, 36.0254,
54.1395

■ 13.1737, 10.4562,
1.6025

■ 36.2681, 39.2336,
62.9778

■ 12.8073, 9.8084,
1.2182

■ 39.3679, 42.6396,
72.6234

■ 42.6905, 46.2469,
83.0962

Harmonies

Analogous

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



21.4313, 20.7164, 18.3807



20.3843, 20.7164, 16.8342



19.1908, 20.7164, 16.7195

Triad

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



20.3843, 20.7164, 16.8342



17.5299, 20.7164, 24.0306



21.2905, 20.7164, 27.7577

Complementary

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



20.3843, 20.7164, 16.8342



17.8065, 19.1555, 27.1852

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.



20.1985, 20.7164, 29.6152



20.3843, 20.7164, 16.8342



18.0463, 20.7164, 27.3215

Square

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



20.3843, 20.7164, 16.8342



17.5751, 20.7164, 20.6485



19.0123, 20.7164, 29.4479



21.9688, 20.7164, 24.5788

Rectangle

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



20.3843, 20.7164, 16.8342



18.4750, 20.7164, 17.4516



19.0123, 20.7164, 29.4479



20.9578, 20.7164, 28.5711

Sweetspot

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



20.3849, 20.7173, 16.8346



41.4452, 43.2198, 43.3878



19.4806, 17.4347, 21.0777



9.5121, 9.9129, 9.8935



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.



20.3849, 20.7173, 16.8346



34.9603, 35.1298, 26.1827



22.5342, 25.0160, 17.5511



5.2260, 5.4348, 5.3260



11.5762, 8.8868, 1.1052



0.0915, 0.0883, 0.0122

Inverse Universe

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



17.8065, 19.1555, 27.1852



29.4443, 31.7883, 48.3268



15.9816, 15.5056, 26.5769



4.9677, 5.2783, 6.3628



6.1712, 5.6128, 22.8038



0.0556, 0.0665, 0.1564

Previews

White Background



This preview shows how the XYZ color 20.3843, 20.7164, 16.8342 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 20.3843, 20.7164, 16.8342 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 20.3843, 20.7164, 16.8342

Background



This preview shows how black text looks on a background with the XYZ color 20.3843, 20.7164, 16.8342.



This preview shows how white text looks on a background with the XYZ color 20.3843, 20.7164,

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

20.3843, 20.7164, 16.8342

Protanopia

19.5561, 20.6555, 17.1435

Deuteranopia

20.9928, 20.6656, 16.7923



Tritanopia

21.8342, 20.7687, 23.6268

Trichromacy



Original Color

20.3843, 20.7164, 16.8342

Protanomaly

19.9061, 20.6489, 17.1238

Deuteranomaly

20.7687, 20.7314, 16.8168

Tritanomaly

21.2731, 20.7179, 20.9669

Monochromacy



Original Color

20.3843, 20.7164, 16.8342

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.0235, 20.8244, 20.4169

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3843, 20.7164, 16.8342 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(139, 123, 107)` looks like.

```
.text, #text, p{  
    color:rgb(139, 123, 107)  
}
```

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(139, 123, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 123, 107) }
```

Border

The CSS property to change the border of an element to XYZ 20.3843, 20.7164, 16.8342 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(139, 123, 107) }
```


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

```
.border{ border-color:rgb(139, 123, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 123, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 123, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 123, 107);  
box-shadow:4px 4px 4px 4px rgb(139, 123,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3843, 20.7164, 16.8342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 123, 107) }
```

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

```
.background{ background-color: rgb(139,  
123, 107) }
```

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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