

Converting Colors

XYZ(20.8400, 21.0462, 13.4594)

Have a look what the booklet for
XYZ(20.8400, 21.0462, 13.4594)
contains.

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Color

**XYZ(20.7804, 20.9938,
13.5466)**

Conversions

Conversions Part 1

Format	Color
Hex	917B5E
RGB	145, 123, 94
RGB Percent	57%, 48%, 37%
CMY	0.4314, 0.5176, 0.6314
CMYK	0.00, 0.15, 0.35, 0.43
HSL	34°, 21%, 47%
HSV	34°, 35%, 57%
XYZ	20.7804, 20.9938, 13.5466
YIQ	126.2720, 22.4210, -4.3550

Conversions

Conversions Part 2

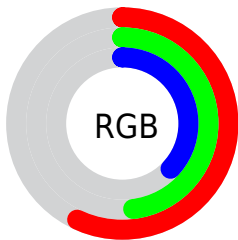
Format	Color
R_{YB}	133, 145, 94
Decimal	9534302
CIE _{Lab}	52.94, 4.05, 19.02
CIE _{LCh}	53, 19.449, 77.989
Yxy	20.9938, 0.3756, 0.3795
Android (android.graphics.Color)	4287724382 (0xFF917B5E)
YUV	126.2720, -15.9101, 16.4245
Hunter-Lab	45.8190, 0.7723, 14.5439

Details

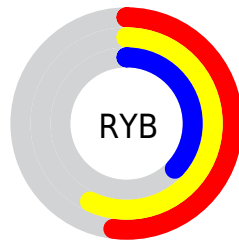
The XYZ color **20.7804, 20.9938, 13.5466** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.9721, 16.9143, 29.2111**, and the grayscale version is **19.9714, 21.0115, 22.8815**.

A 20% lighter version of the original color is **44.2602, 44.9836, 33.1380**, and **7.4965, 7.4381, 3.8369** is the 20% darker color. If you saturate the color by 10%, you get **19.4388, 19.2559, 10.1853**, and if you desaturate by 10%, it is **22.2949, 22.8817, 17.5691**.

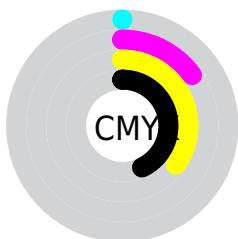
Distribution



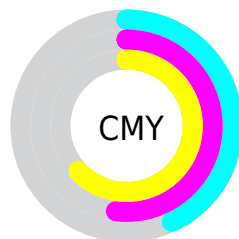
- Red (57%)
- Green (48%)
- Blue (37%)



- Red (52%)
- Yellow (57%)
- Blue (37%)



- Cyan (0%)
- Magenta (15%)
- Yellow (35%)
- Black (43%)



- Cyan (43%)
- Magenta (52%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7804, 20.9938, 13.5466 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 20.7804, 20.9938, 13.5466 by changing the saturation by 10% instead.

■ 20.7804, 20.9938,
13.5466

■ 20.7804, 20.9938,
13.5466

248.8630,
257.2455, 225.7212

■ 13.0751, 13.1195,
7.6709

■ 44.2158, 45.0772,
32.9878

■ 7.5577, 7.5109,
3.8003

■ 60.6766, 62.0551,
47.3904

■ 3.8626, 3.7836,
1.5165

■ 80.7867, 82.8363,
65.4723

■ 1.6247, 1.5533,
0.2301

■ 104.9114,
107.8051, 87.6521

■ 0.4084, 0.3258,
0.0000

133.4160,
137.3461, 114.3484

■ 0.0000, 0.0000,
0.0000

166.6659,

171.8436, 145.9796

205.0264,
211.6819, 182.9643

■ 20.7804, 20.9938,
13.5466

■ 20.7804, 20.9938,
13.5466

■ 19.4388, 19.2559,
10.1853

■ 22.2949, 22.8817,
17.5691

■ 18.2608, 17.6606,
7.4476

■ 23.9879, 24.9209,
22.2852

■ 17.2384, 16.2038,
5.2937

■ 25.8667, 27.1167,
27.7265

■ 16.3621, 14.8802,
3.6789

■ 27.9377, 29.4728,
33.9226

■ 15.6213, 13.6840,
2.5520

■ 30.2069, 31.9930,
40.9011

■ 15.0018, 12.6079,
1.8439

■ 32.6802, 34.6810,
48.6883

■ 14.7292, 12.1240,
1.5638

■ 35.3630, 37.5401,
57.3095

■ 38.2605, 40.5738,
66.7885

■ 41.3780, 43.7853,
77.1485

Harmonies

Analogous

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



22.6926, 20.9938, 15.4942



20.7804, 20.9938, 13.5466



18.7683, 20.9938, 13.7614

Triad

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



20.7804, 20.9938, 13.5466



16.4548, 20.9938, 26.5021



23.0089, 20.9938, 31.2205

Complementary

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



20.7804, 20.9938, 13.5466



15.9721, 16.9143, 29.2111

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.



21.1886, 20.9938, 35.2774



20.7804, 20.9938, 13.5466



17.4451, 20.9938, 32.2503

Square

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



20.7804, 20.9938, 13.5466



16.3620, 20.9938, 20.6024



19.1498, 20.9938, 35.6835



24.0366, 20.9938, 25.2739

Rectangle

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



20.7804, 20.9938, 13.5466



17.6383, 20.9938, 15.1069



19.1498, 20.9938, 35.6835



22.4639, 20.9938, 32.8911

Sweetspot

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



20.7809, 20.9948, 13.5470



44.2448, 46.1461, 43.5931



18.8381, 15.2886, 18.5118



9.7556, 10.1634, 9.4471



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



20.7809, 20.9948, 13.5470



35.3374, 35.1765, 19.5215



23.2327, 26.7745, 14.5334



5.6474, 5.9010, 5.7307



12.6598, 10.4513, 1.3501



0.1430, 0.1438, 0.0202

Inverse Universe

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



15.9721, 16.9143, 29.2111



25.4316, 26.7750, 51.8013



14.0862, 12.6134, 28.4803



5.3089, 5.6136, 6.8325



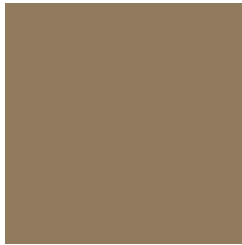
5.9115, 4.8091, 23.5938



0.0777, 0.0884, 0.2326

Previews

White Background



This preview shows how the XYZ color 20.7804, 20.9938, 13.5466 looks on a white background.

Color Contrast Check

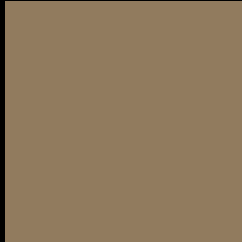
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7804, 20.9938, 13.5466 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 20.7804, 20.9938, 13.5466

Background



This preview shows how black text looks on a background with the XYZ color 20.7804, 20.9938, 13.5466.



This preview shows how white text looks on a background with the XYZ color 20.7804, 20.9938,

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

20.7804, 20.9938, 13.5466

Protanopia

19.5181, 20.8988, 13.8316

Deuteranopia

21.2522, 20.8725, 13.4984



Tritanopia

22.7691, 20.9049, 23.2571

Trichromacy



Original Color

20.7804, 20.9938, 13.5466

Protanomaly

20.0466, 20.9824, 13.8199

Deuteranomaly

21.1927, 21.0231, 13.5306

Tritanomaly

22.0816, 20.9898, 19.4106

Monochromacy



Original Color

20.7804, 20.9938, 13.5466

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.0437, 20.8687, 18.8912

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7804, 20.9938, 13.5466 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(145, 123, 94)` looks like.

```
.text, #text, p{  
    color:rgb(145, 123, 94)  
}
```

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(145, 123, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 123, 94) }
```

Border

The CSS property to change the border of an element to XYZ 20.7804, 20.9938, 13.5466 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(145, 123, 94) }
```


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

```
.border{ border-color:rgb(145, 123, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 123, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 123, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 123, 94);  
box-shadow:4px 4px 4px 4px rgb(145, 123,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7804, 20.9938, 13.5466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 123, 94) }
```

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

```
.background{ background-color: rgb(145,  
123, 94) }
```

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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