

Converting Colors

XYZ(20.0217, 21.1599, 11.9746)

Have a look what the booklet for
XYZ(20.0217, 21.1599, 11.9746)
contains.

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Color

**XYZ(19.9964, 21.1853,
12.0521)**

Conversions

Conversions Part 1

Format	Color
Hex	8C7E57
RGB	140, 126, 87
RGB Percent	55%, 49%, 34%
CMY	0.4510, 0.5059, 0.6588
CMYK	0.00, 0.10, 0.38, 0.45
HSL	44°, 23%, 45%
HSV	44°, 38%, 55%
XYZ	19.9964, 21.1853, 12.0521
YIQ	125.7400, 20.8630, -9.1610

Conversions

Conversions Part 2

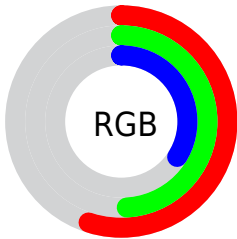
Format	Color
RYB	106, 140, 87
Decimal	9207383
CIELab	53.15, -0.69, 23.20
CIELCh	53, 23.209, 91.705
Yxy	21.1853, 0.3756, 0.3980
Android (android.graphics.Color)	4287397463 (0xFF8C7E57)
YUV	125.7400, -19.0988, 12.5060
Hunter-Lab	46.0275, -2.9997, 16.6944

Details

The XYZ color **19.9964, 21.1853, 12.0521** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **13.3177, 13.2267, 26.6621**, and the grayscale version is **19.8012, 20.8324, 22.6865**.

A 20% lighter version of the original color is **42.8836, 45.5157, 30.1921**, and **7.1739, 7.5917, 3.1851** is the 20% darker color. If you saturate the color by 10%, you get **19.0151, 20.0510, 9.1716**, and if you desaturate by 10%, it is **21.1072, 22.4009, 15.5236**.

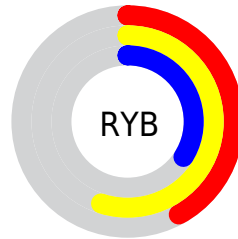
Distribution



Red (55%)

Green (49%)

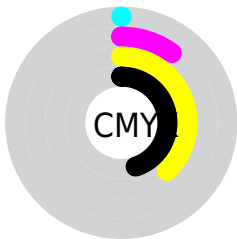
Blue (34%)



Red (42%)

Yellow (55%)

Blue (34%)

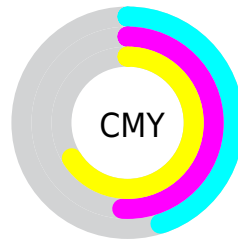


Cyan (0%)

Magenta (10%)

Yellow (38%)

Black (45%)



Cyan (45%)

Magenta (51%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9964, 21.1853, 12.0521 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 19.9964, 21.1853, 12.0521 by changing the saturation by 10% instead.

■ 19.9964, 21.1853,
12.0521

■ 19.9964, 21.1853,
12.0521

244.7296,
258.2616, 215.7400

■ 12.5007, 13.2595,
6.6562

■ 42.9151, 45.3957,
30.2558

■ 7.1602, 7.6075,
3.1729

■ 59.0689, 62.4491,
43.9006

■ 3.6097, 3.8448,
1.1836

■ 78.8393, 83.3139,
61.1322

■ 1.4838, 1.5871,
0.0000

■ 102.5918,
108.3744, 82.3691

■ 0.3148, 0.3489,
0.0000

■ 130.6917,
138.0150, 108.0297

■ 0.0000, 0.0000,
0.0000

163.5044,

172.6202, 138.5328

201.3952,
212.5743, 174.2967

■ 19.9964, 21.1853,
12.0521

■ 19.9964, 21.1853,
12.0521

■ 19.0151, 20.0510,
9.1716

■ 21.1072, 22.4009,
15.5236

■ 18.1551, 18.9921,
6.8468

■ 22.3520, 23.6976,
19.6161

■ 17.4096, 18.0063,
5.0407

■ 23.7370, 25.0790,
24.3590

■ 16.7705, 17.0902,
3.7113

■ 25.2676, 26.5474,
29.7796

■ 16.2282, 16.2396,
2.8096

■ 26.9488, 28.1051,
35.9034

■ 15.7639, 15.4465,
2.2368

■ 28.7854, 29.7544,
42.7548

■ 15.6682, 15.2815,
2.1238

■ 30.7818, 31.4973,
50.3570

■ 32.9426, 33.3358,
58.7319

■ 35.2718, 35.2720,
67.9009

Harmonies

Analogous

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



22.4490, 21.1853, 13.1226



19.9964, 21.1853, 12.0521



17.7638, 21.1853, 13.3996

Triad

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



19.9964, 21.1853, 12.0521



16.3934, 21.1853, 30.8958



24.5682, 21.1853, 30.0601

Complementary

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



19.9964, 21.1853, 12.0521



13.3177, 13.2267, 26.6621

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.



22.7105, 21.1853, 36.5309



19.9964, 21.1853, 12.0521



17.9876, 21.1853, 37.0781

Square

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



19.9964, 21.1853, 12.0521



15.7908, 21.1853, 23.4702



20.2762, 21.1853, 39.3224



25.2131, 21.1853, 22.6688

Rectangle

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



19.9964, 21.1853, 12.0521



16.6654, 21.1853, 15.6855



20.2762, 21.1853, 39.3224



24.0578, 21.1853, 32.4631

Sweetspot

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



19.9969, 21.1863, 12.0525



40.9970, 43.3764, 39.9921



16.5791, 13.3343, 14.0464



9.3799, 9.9286, 8.9855



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.



19.9969, 21.1863, 12.0525



33.8378, 35.7221, 17.0613



19.9456, 24.0052, 12.5994



5.3212, 5.6252, 5.3577



13.9385, 13.6114, 1.8926



0.1046, 0.1144, 0.0166

Inverse Universe

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



13.3177, 13.2267, 26.6621



20.4033, 19.7210, 46.4741



13.3278, 11.3835, 26.3058



4.8751, 5.0932, 6.3320



4.8076, 2.8855, 22.3493



0.0426, 0.0404, 0.1520

Previews

White Background



This preview shows how the XYZ color 19.9964, 21.1853, 12.0521 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 19.9964, 21.1853, 12.0521 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 19.9964, 21.1853, 12.0521

Background



This preview shows how black text looks on a background with the XYZ color 19.9964, 21.1853, 12.0521.



This preview shows how white text looks on a background with the XYZ color 19.9964, 21.1853,

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

19.9964, 21.1853, 12.0521

Protanopia

19.6262, 21.1852, 12.0716

Deuteranopia

21.6699, 21.2990, 12.2015



Tritanopia

22.5437, 21.3062, 24.0434

Trichromacy



Original Color

19.9964, 21.1853, 12.0521

Protanomaly

19.7909, 21.2701, 12.0793

Deuteranomaly

21.0572, 21.1664, 12.2082

Tritanomaly

21.4479, 21.2205, 18.8851

Monochromacy



Original Color

19.9964, 21.1853, 12.0521

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.7456, 20.9169, 18.3259

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9964, 21.1853, 12.0521 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(140, 126, 87)` looks like.

```
.text, #text, p{  
    color:rgb(140, 126, 87)  
}
```

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(140, 126, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 126, 87) }
```

Border

The CSS property to change the border of an element to XYZ 19.9964, 21.1853, 12.0521 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(140, 126, 87) }
```


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

```
.border{ border-color:rgb(140, 126, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 126, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 126, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 126, 87);  
box-shadow:4px 4px 4px 4px rgb(140, 126,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9964, 21.1853, 12.0521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 126, 87) }
```

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

```
.background{ background-color: rgb(140,  
126, 87) }
```

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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