

Converting Colors

XYZ(20.9806, 21.3617, 8.9302)

Have a look what the booklet for
XYZ(20.9806, 21.3617, 8.9302)
contains.

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Color

**XYZ(20.9227, 21.3543,
8.9803)**

Conversions

Conversions Part 1

Format	Color
Hex	967C47
RGB	150, 124, 71
RGB Percent	59%, 49%, 28%
CMY	0.4118, 0.5137, 0.7216
CMYK	0.00, 0.17, 0.53, 0.41
HSL	40°, 36%, 43%
HSV	40°, 53%, 59%
XYZ	20.9227, 21.3543, 8.9803
YIQ	125.7320, 32.5090, -10.9710

Conversions

Conversions Part 2

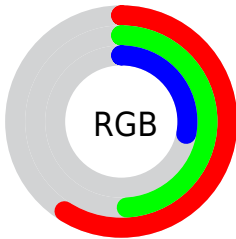
Format	Color
RYB	110, 150, 71
Decimal	9862215
CIELab	53.34, 3.04, 32.49
CIELCh	53, 32.628, 84.651
Yxy	21.3543, 0.4082, 0.4166
Android (android.graphics.Color)	4288052295 (0xFF967C47)
YUV	125.7320, -26.9829, 21.2830
Hunter-Lab	46.2107, -0.0498, 20.8255

Details

The XYZ color **20.9227, 21.3543, 8.9803** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.3781, 12.0906, 30.5354**, and the grayscale version is **19.8216, 20.8539, 22.7099**.

A 20% lighter version of the original color is **44.4301, 45.5530, 24.5400**, and **7.6213, 7.6437, 1.9934** is the 20% darker color. If you saturate the color by 10%, you get **19.8964, 19.9794, 6.5494**, and if you desaturate by 10%, it is **22.0998, 22.8407, 12.0484**.

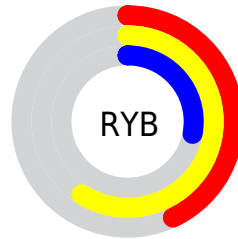
Distribution



Red (59%)

Green (49%)

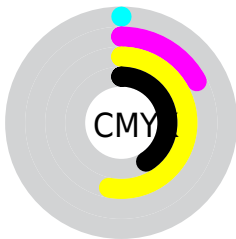
Blue (28%)



Red (43%)

Yellow (59%)

Blue (28%)

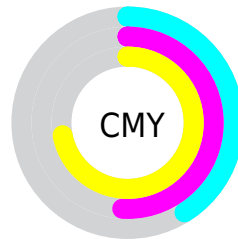


Cyan (0%)

Magenta (17%)

Yellow (53%)

Black (41%)



Cyan (41%)

Magenta (51%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9227, 21.3543, 8.9803 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 20.9227, 21.3543, 8.9803 by changing the saturation by 10% instead.

■ 20.9227, 21.3543,
8.9803

■ 20.9227, 21.3543,
8.9803

249.6069,
259.1555, 193.4435

■ 13.1796, 13.3832,
4.6317

■ 44.4511, 45.6764,
24.4361

■ 7.6302, 7.6930,
1.9779

■ 60.9672, 62.7963,
36.3804

■ 3.9091, 3.8991,
0.5416

■ 81.1383, 83.7346,
51.6937

■ 1.6508, 1.6173,
0.0000

■ 105.3298,
108.8756, 70.7944

■ 0.4252, 0.3692,
0.0000

■ 133.9070,
138.6038, 94.1013

■ 0.0000, 0.0000,
0.0000

167.2354,

173.3036, 122.0327

205.6802,
213.3593, 155.0073

■ 20.9227, 21.3543,
8.9803

■ 20.9227, 21.3543,
8.9803

■ 19.8964, 19.9794,
6.5494

■ 22.0998, 22.8407,
12.0484

■ 19.0102, 18.7086,
4.7071

■ 23.4347, 24.4396,
15.7945

■ 18.2537, 17.5378,
3.4004

■ 24.9356, 26.1559,
20.2578

■ 17.6146, 16.4613,
2.5656

■ 26.6097, 27.9931,
25.4740

■ 17.1964, 15.7216,
2.1282

■ 28.4636, 29.9545,
31.4764

■ 30.5038, 32.0433,
38.2962

■ 32.7362, 34.2626,
45.9631

■ 35.1666, 36.6152,
54.5051

■ 37.8003, 39.1040,
63.9491

Harmonies

Analogous

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



24.3907, 21.3543, 10.9232



20.9227, 21.3543, 8.9803



17.6483, 21.3543, 9.8853

Triad

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



20.9227, 21.3543, 8.9803



14.8345, 21.3543, 32.1300



26.2158, 21.3543, 36.0969

Complementary

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



20.9227, 21.3543, 8.9803



12.3781, 12.0906, 30.5354

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.



23.1974, 21.3543, 45.2017



20.9227, 21.3543, 8.9803



16.6884, 21.3543, 42.4930

Square

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



20.9227, 21.3543, 8.9803



14.3713, 21.3543, 21.5211



19.6832, 21.3543, 47.8243



27.6608, 21.3543, 25.0717

Rectangle

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



20.9227, 21.3543, 8.9803



15.9741, 21.3543, 12.1668



19.6832, 21.3543, 47.8243



25.3361, 21.3543, 39.5952

Sweetspot

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



20.9232, 21.3553, 8.9807



45.8458, 48.1933, 41.4386



17.0043, 11.8600, 12.7842



10.0394, 10.5481, 8.8068



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



20.9232, 21.3553, 8.9807



34.8504, 34.8938, 10.9791



22.3330, 27.5719, 10.1064



6.1062, 6.4263, 6.1590



14.2925, 13.0993, 1.7751



0.2020, 0.2144, 0.0307

Inverse Universe

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



12.3781, 12.0906, 30.5354



18.1471, 16.8151, 53.2104



11.4296, 8.6013, 29.9119



5.6461, 5.9262, 7.3160



5.5161, 3.7270, 24.3597



0.0923, 0.0952, 0.3064

Previews

White Background



This preview shows how the XYZ color 20.9227, 21.3543, 8.9803 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 20.9227, 21.3543, 8.9803 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 20.9227, 21.3543, 8.9803

Background



This preview shows how black text looks on a background with the XYZ color 20.9227, 21.3543, 8.9803.



This preview shows how white text looks on a background with the XYZ color 20.9227, 21.3543,

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

20.9227, 21.3543, 8.9803

Protanopia

19.7041, 21.4817, 9.2388

Deuteranopia

21.8395, 21.4549, 9.1210



Tritanopia

23.8268, 21.4577, 22.9646

Trichromacy



Original Color

20.9227, 21.3543, 8.9803

Protanomaly

20.2607, 21.5759, 9.2276

Deuteranomaly

21.5791, 21.5038, 9.1442

Tritanomaly

22.5072, 21.2668, 16.8286

Monochromacy



Original Color

20.9227, 21.3543, 8.9803

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.9268, 20.8587, 16.6116

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9227, 21.3543, 8.9803 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(150, 124, 71)` looks like.

```
.text, #text, p{  
    color:rgb(150, 124, 71)  
}
```

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(150, 124, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 124, 71) }
```

Border

The CSS property to change the border of an element to XYZ 20.9227, 21.3543, 8.9803 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(150, 124, 71) }
```


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

```
.border{ border-color:rgb(150, 124, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 124, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 124, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 124, 71);  
box-shadow:4px 4px 4px 4px rgb(150, 124,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9227, 21.3543, 8.9803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 124, 71) }
```

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

```
.background{ background-color: rgb(150,  
124, 71) }
```

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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