

Converting Colors

XYZ(20.9976, 19.6105, 9.3351)

Have a look what the booklet for
XYZ(20.9976, 19.6105, 9.3351)
contains.

XYZ(20.9976, 19.6105, 9.3351)	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(20.9976, 19.6105,
9.3351)**

Conversions

Conversions Part 1

Format	Color
Hex	9C724B
RGB	156, 114, 75
RGB Percent	61%, 45%, 29%
CMY	0.3882, 0.5529, 0.7059
CMYK	0.00, 0.27, 0.52, 0.39
HSL	29°, 35%, 45%
HSV	29°, 52%, 61%
XYZ	20.9976, 19.6105, 9.3351
YIQ	122.1120, 37.5510, -3.2250

Conversions

Conversions Part 2

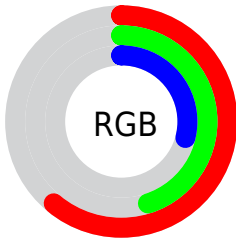
Format	Color
R_{YB}	156, 150, 75
Decimal	10252875
CIE _{Lab}	51.39, 11.77, 28.01
CIE _{LCh}	51, 30.379, 67.208
Yxy	19.6105, 0.4204, 0.3927
Android (android.graphics.Color)	4288442955 (0xFF9C724B)
YUV	122.1120, -23.2262, 29.7198
Hunter-Lab	44.2837, 7.1411, 18.5002

Details

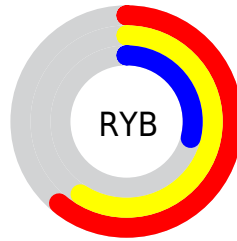
The XYZ color **20.9976, 19.6105, 9.3351** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **15.2634, 16.6181, 33.8556**, and the grayscale version is **18.6006, 19.5692, 21.3109**.

A 20% lighter version of the original color is **44.4257, 42.7247, 24.9740**, and **7.6620, 6.8149, 2.1399** is the 20% darker color. If you saturate the color by 10%, you get **19.6555, 17.6786, 6.5688**, and if you desaturate by 10%, it is **22.5523, 21.7581, 12.8187**.

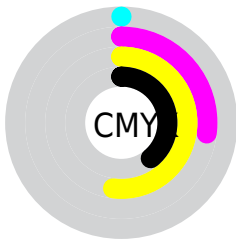
Distribution



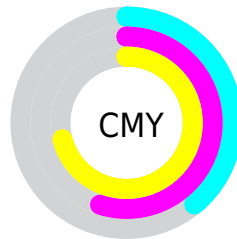
- Red (61%)
- Green (45%)
- Blue (29%)



- Red (61%)
- Yellow (59%)
- Blue (29%)



- Cyan (0%)
- Magenta (27%)
- Yellow (52%)
- Black (39%)



- Cyan (39%)
- Magenta (55%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9976, 19.6105, 9.3351 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 20.9976, 19.6105, 9.3351 by changing the saturation by 10% instead.

■ 20.9976, 19.6105,
9.3351

■ 20.9976, 19.6105,
9.3351

249.9977,
249.7987, 196.1676

■ 13.2347, 12.1122,
4.8606

■ 44.5748, 42.7632,
25.1251

■ 7.6685, 6.8202,
2.1084

■ 61.1199, 59.1864,
37.2777

■ 3.9336, 3.3499,
0.6208

■ 81.3231, 79.3534,
52.8267

■ 1.6646, 1.3170,
0.0000

■ 105.5497,
103.6485, 72.1908

■ 0.4340, 0.1543,
0.0000

■ 134.1651,
132.4562, 95.7883

■ 0.0000, 0.0000,
0.0000

167.5346,

166.1609, 124.0380

206.0237,
205.1469, 157.3582

■ 20.9976, 19.6105,
9.3351

■ 20.9976, 19.6105,
9.3351

■ 19.6555, 17.6786,
6.5688

■ 22.5523, 21.7581,
12.8187

■ 18.5127, 15.9514,
4.4665

■ 24.3289, 24.1260,
17.0651

■ 17.5565, 14.4212,
2.9695

■ 26.3379, 26.7223,
22.1176

■ 16.7714, 13.0781,
2.0078

■ 28.5884, 29.5535,
28.0157

■ 16.2343, 12.1161,
1.4830

■ 31.0893, 32.6262,
34.7964

■ 33.8488, 35.9465,
42.4944

■ 36.8746, 39.5200,
51.1426

■ 40.1743, 43.3527,
60.7722

■ 43.7551, 47.4498,
71.4130

Harmonies

Analogous

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



23.6954, 19.6105, 12.7418



20.9976, 19.6105, 9.3351



17.9151, 19.6105, 8.6743

Triad

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



20.9976, 19.6105, 9.3351



13.4187, 19.6105, 23.5234



22.4037, 19.6105, 37.6614

Complementary

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



20.9976, 19.6105, 9.3351



15.2634, 16.6181, 33.8556

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.



19.3826, 19.6105, 42.6501



20.9976, 19.6105, 9.3351



14.3589, 19.6105, 33.1654

Square

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



20.9976, 19.6105, 9.3351



13.7511, 19.6105, 15.4995



16.4643, 19.6105, 40.8129



24.5668, 19.6105, 28.5197

Rectangle

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



20.9976, 19.6105, 9.3351



16.0913, 19.6105, 9.6527



16.4643, 19.6105, 40.8129



21.4428, 19.6105, 39.9788

Sweetspot

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



20.9981, 19.6115, 9.3355



50.0736, 51.3647, 45.9835



19.5084, 13.4130, 18.7628



10.8492, 11.0894, 9.6756



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



20.9981, 19.6115, 9.3355



35.4092, 31.6792, 11.3663



26.4207, 30.4567, 11.1430



6.8834, 7.1468, 7.0023



13.4066, 10.0488, 1.2330



0.2819, 0.2640, 0.0361

Inverse Universe

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



15.2634, 16.6181, 33.8556



23.8388, 25.6331, 60.8180



11.6057, 9.3026, 32.6363



6.5549, 6.9756, 8.4076



7.3941, 6.8798, 26.8455



0.1745, 0.2076, 0.4941

Previews

White Background



This preview shows how the XYZ color 20.9976, 19.6105, 9.3351 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 20.9976, 19.6105, 9.3351 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 20.9976, 19.6105, 9.3351

Background



This preview shows how black text looks on a background with the XYZ color 20.9976, 19.6105, 9.3351.



This preview shows how white text looks on a background with the XYZ color 20.9976, 19.6105,

9.3351.

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

20.9976, 19.6105, 9.3351

Protanopia

18.2896, 19.7843, 10.0625

Deuteranopia

19.9917, 19.6066, 9.2093



Tritanopia

23.1767, 19.6952, 19.4096

Trichromacy



Original Color

20.9976, 19.6105, 9.3351

Protanomaly

19.2114, 19.7195, 9.8149

Deuteranomaly

20.4303, 19.6606, 9.1966

Tritanomaly

22.3808, 19.6991, 15.1931

Monochromacy



Original Color

20.9976, 19.6105, 9.3351

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.9781, 19.2819, 16.0861

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9976, 19.6105, 9.3351 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(156, 114, 75)` looks like.

```
.text, #text, p{  
    color:rgb(156, 114, 75)  
}
```

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(156, 114, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 114, 75) }
```

Border

The CSS property to change the border of an element to XYZ 20.9976, 19.6105, 9.3351 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(156, 114, 75) }
```


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

```
.border{ border-color:rgb(156, 114, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 114, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 114, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 114, 75);  
box-shadow:4px 4px 4px 4px rgb(156, 114,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9976, 19.6105, 9.3351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 114, 75) }
```

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

```
.background{ background-color: rgb(156,  
114, 75) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor