

Converting Colors

XYZ(20.0846, 20.4226, 9.5005)

Have a look what the booklet for
XYZ(20.0846, 20.4226, 9.5005)
contains.

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Color

**XYZ(19.9614, 20.2937,
9.5216)**

Conversions

Conversions Part 1

Format	Color
Hex	92794B
RGB	146, 121, 75
RGB Percent	57%, 47%, 29%
CMY	0.4275, 0.5255, 0.7059
CMYK	0.00, 0.17, 0.49, 0.43
HSL	39°, 32%, 43%
HSV	39°, 49%, 57%
XYZ	19.9614, 20.2937, 9.5216
YIQ	123.2310, 29.6660, -9.0060

Conversions

Conversions Part 2

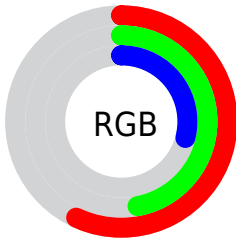
Format	Color
RYB	114, 146, 75
Decimal	9599307
CIELab	52.17, 3.38, 28.76
CIELCh	52, 28.955, 83.301
Yxy	20.2937, 0.4010, 0.4077
Android (android.graphics.Color)	4287789387 (0xFF92794B)
YUV	123.2310, -23.7779, 19.9684
Hunter-Lab	45.0485, 0.2600, 19.0022

Details

The XYZ color **19.9614, 20.2937, 9.5216** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.6470, 12.6850, 28.9759**, and the grayscale version is **18.9727, 19.9607, 21.7372**.

A 20% lighter version of the original color is **42.7326, 43.7853, 25.6012**, and **7.1185, 7.1810, 2.1733** is the 20% darker color. If you saturate the color by 10%, you get **18.9100, 18.9009, 6.9824**, and if you desaturate by 10%, it is **21.1618, 21.8009, 12.6768**.

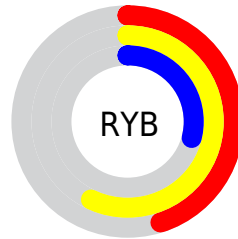
Distribution



Red (57%)

Green (47%)

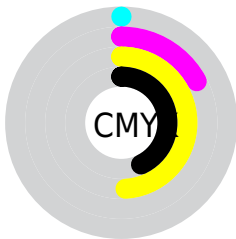
Blue (29%)



Red (45%)

Yellow (57%)

Blue (29%)

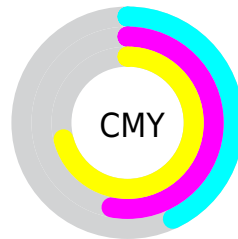


Cyan (0%)

Magenta (17%)

Yellow (49%)

Black (43%)



Cyan (43%)

Magenta (53%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9614, 20.2937, 9.5216 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 19.9614, 20.2937, 9.5216 by changing the saturation by 10% instead.

■ 19.9614, 20.2937,
9.5216

■ 19.9614, 20.2937,
9.5216

244.5436,
253.5007, 197.5818

■ 12.4751, 12.6087,
4.9815

■ 42.8569, 43.9090,
25.4853

■ 7.1426, 7.1597,
2.1779

■ 58.9968, 60.6082,
37.7460

■ 3.5986, 3.5622,
0.6616

■ 78.7519, 81.0809,
53.4173

■ 1.4776, 1.4318,
0.0000

■ 102.4877,
105.7114, 72.9177

■ 0.3105, 0.2400,
0.0000

■ 130.5693,
134.8843, 96.6659

■ 0.0000, 0.0000,
0.0000

163.3623,

168.9839, 125.0802

201.2320,
208.3945, 158.5794

■ 19.9614, 20.2937,
9.5216

■ 19.9614, 20.2937,
9.5216

■ 18.9100, 18.9009,
6.9824

■ 21.1618, 21.8009,
12.6768

■ 17.9976, 17.6153,
5.0158

■ 22.5174, 23.4235,
16.4848

■ 17.2152, 16.4334,
3.5749

■ 24.0359, 25.1661,
20.9810

■ 16.5519, 15.3498,
2.6045

■ 25.7237, 27.0321,
26.1979

■ 15.9846, 14.3545,
1.9857

■ 27.5872, 29.0247,
32.1658

■ 15.9102, 14.2233,
1.9068

■ 29.6322, 31.1471,
38.9135

■ 31.8643, 33.4021,
46.4680

■ 34.2887, 35.7926,
54.8552

■ 36.9107, 38.3213,
64.0997

Harmonies

Analogous

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



22.9010, 20.2937, 11.4184



19.9614, 20.2937, 9.5216



17.1197, 20.2937, 10.2350

Triad

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



19.9614, 20.2937, 9.5216



14.5110, 20.2937, 29.2065



24.2315, 20.2937, 33.3635

Complementary

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



19.9614, 20.2937, 9.5216



12.6470, 12.6850, 28.9759

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.



21.6333, 20.2937, 40.7455



19.9614, 20.2937, 9.5216



16.0775, 20.2937, 37.9475

Square

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



19.9614, 20.2937, 9.5216



14.1613, 20.2937, 20.2456



18.6310, 20.2937, 42.6086



25.5244, 20.2937, 24.0567

Rectangle

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



19.9614, 20.2937, 9.5216



15.6360, 20.2937, 12.2148



18.6310, 20.2937, 42.6086



23.4697, 20.2937, 36.2399

Sweetspot

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



19.9619, 20.2947, 9.5220



43.3587, 45.4664, 39.9298



16.7208, 12.0836, 13.7718



9.5249, 9.9798, 8.5136



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.



19.9619, 20.2947, 9.5220



33.2657, 33.2151, 12.1036



21.7891, 26.3447, 10.5935



6.0953, 6.4045, 6.1554



14.0225, 12.5593, 1.6851



0.1994, 0.2093, 0.0299

Inverse Universe

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



12.6470, 12.6850, 28.9759



18.8516, 18.2408, 50.5008



11.4026, 9.0141, 28.3329



5.6566, 5.9471, 7.3195



5.6424, 3.9796, 24.4018



0.0949, 0.1003, 0.3073

Previews

White Background



This preview shows how the XYZ color 19.9614, 20.2937, 9.5216 looks on a white background.

Color Contrast Check

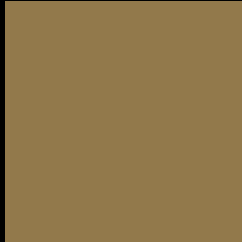
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9614, 20.2937, 9.5216 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 19.9614, 20.2937, 9.5216

Background



This preview shows how black text looks on a background with the XYZ color 19.9614, 20.2937, 9.5216.



This preview shows how white text looks on a background with the XYZ color 19.9614, 20.2937,

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

19.9614, 20.2937, 9.5216

Protanopia

18.7915, 20.4233, 9.7891

Deuteranopia

20.6293, 20.2810, 9.4839



Tritanopia

22.5313, 20.2960, 21.7988

Trichromacy



Original Color

19.9614, 20.2937, 9.5216

Protanomaly

19.3274, 20.5126, 9.7781

Deuteranomaly

20.3809, 20.3305, 9.5066

Tritanomaly

21.3572, 20.1527, 16.3999

Monochromacy



Original Color

19.9614, 20.2937, 9.5216

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.9211, 19.7850, 16.4573

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9614, 20.2937, 9.5216 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(146, 121, 75)` looks like.

```
.text, #text, p{  
    color:rgb(146, 121, 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(146, 121, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 121, 75) }
```

Border

The CSS property to change the border of an element to XYZ 19.9614, 20.2937, 9.5216 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(146, 121, 75) }
```


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

```
.border{ border-color:rgb(146, 121, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 121, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 121, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 121, 75);  
box-shadow:4px 4px 4px 4px rgb(146, 121,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9614, 20.2937, 9.5216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 121, 75) }
```

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

```
.background{ background-color: rgb(146,  
121, 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](#).

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