

Converting Colors

XYZ(20.3311, 20.4416, 11.4684)

Have a look what the booklet for
XYZ(20.3311, 20.4416, 11.4684)
contains.

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Color

**XYZ(20.3311, 20.4416,
11.4684)**

Conversions

Conversions Part 1

Format	Color
Hex	927955
RGB	146, 121, 85
RGB Percent	57%, 47%, 33%
CMY	0.4275, 0.5255, 0.6667
CMYK	0.00, 0.17, 0.42, 0.43
HSL	35°, 26%, 45%
HSV	35°, 42%, 57%
XYZ	20.3311, 20.4416, 11.4684
YIQ	124.3710, 26.4560, -5.8960

Conversions

Conversions Part 2

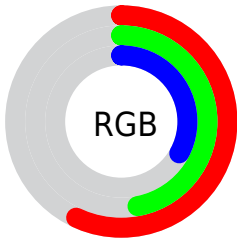
Format	Color
R_{YB}	127, 146, 85
Decimal	9599317
CIE _{Lab}	52.33, 4.49, 23.36
CIE _{LCh}	52, 23.791, 79.124
Yxy	20.4416, 0.3892, 0.3913
Android (android.graphics.Color)	4287789397 (0xFF927955)
YUV	124.3710, -19.4099, 18.9686
Hunter-Lab	45.2124, 1.1462, 16.6094

Details

The XYZ color **20.3311, 20.4416, 11.4684** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.5103, 15.1579, 29.3550**, and the grayscale version is **19.3391, 20.3462, 22.1570**.

A 20% lighter version of the original color is **43.4041, 44.0539, 29.1373**, and **7.3648, 7.2913, 2.9386** is the 20% darker color. If you saturate the color by 10%, you get **19.1054, 18.8245, 8.4875**, and if you desaturate by 10%, it is **21.7227, 22.1987, 15.0955**.

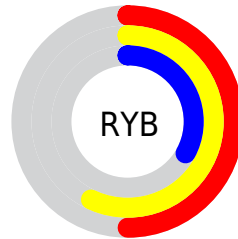
Distribution



Red (57%)

Green (47%)

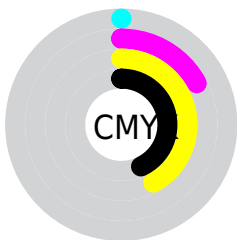
Blue (33%)



Red (50%)

Yellow (57%)

Blue (33%)

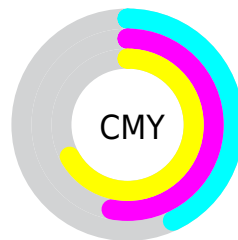


Cyan (0%)

Magenta (17%)

Yellow (42%)

Black (43%)



Cyan (43%)

Magenta (53%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3311, 20.4416, 11.4684 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 20.3311, 20.4416, 11.4684 by changing the saturation by 10% instead.

■ 20.3311, 20.4416,
11.4684

■ 20.3311, 20.4416,
11.4684

246.5015,
254.2958, 211.7049

■ 12.7456, 12.7165,
6.2647

■ 43.4713, 44.1563,
29.1729

■ 7.3294, 7.2336,
2.9353

■ 59.7568, 60.9147,
42.5108

■ 3.7171, 3.6086,
1.0617

■ 79.6729, 81.4529,
59.3971

■ 1.5434, 1.4571,
0.0000

■ 103.5851,
106.1554, 80.2505

■ 0.3551, 0.2583,
0.0000

■ 131.8587,
135.4066, 105.4894

■ 0.0000, 0.0000,
0.0000

164.8591,

169.5907, 135.5324

202.9515,
209.0924, 170.7981

■ 20.3311, 20.4416,
11.4684

■ 20.3311, 20.4416,
11.4684

■ 19.1054, 18.8245,
8.4875

■ 21.7227, 22.1987,
15.0955

■ 18.0357, 17.3400,
6.1123

■ 23.2861, 24.0971,
19.4036

■ 17.1136, 15.9840,
4.2995

■ 25.0290, 26.1421,
24.4264

■ 16.3287, 14.7511,
2.9995

■ 26.9579, 28.3372,
30.1950

■ 15.6692, 13.6351,
2.1539

■ 29.0790, 30.6864,
36.7387

■ 15.1956, 12.7941,
1.6686

■ 31.3984, 33.1930,
44.0851

■ 33.9217, 35.8604,
52.2606

■ 36.6542, 38.6919,
61.2901

■ 39.6012, 41.6907,
71.1979

Harmonies

Analogous

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



22.6759, 20.4416, 13.5397



20.3311, 20.4416, 11.4684



17.9272, 20.4416, 11.7940

Triad

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



20.3311, 20.4416, 11.4684



15.3117, 20.4416, 26.9734



23.2108, 20.4416, 32.2989

Complementary

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



20.3311, 20.4416, 11.4684



14.5103, 15.1579, 29.3550

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.



21.0127, 20.4416, 37.5819



20.3311, 20.4416, 11.4684



16.5080, 20.4416, 34.0885

Square

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



20.3311, 20.4416, 11.4684



15.1627, 20.4416, 19.8089



18.5542, 20.4416, 38.2981



24.4290, 20.4416, 24.8998

Rectangle

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



20.3311, 20.4416, 11.4684



16.6072, 20.4416, 13.3502



18.5542, 20.4416, 38.2981



22.5539, 20.4416, 34.4420

Sweetspot

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



20.3316, 20.4426, 11.4688



43.6776, 45.5661, 41.6951



17.9399, 13.7431, 16.5784



9.5758, 9.9728, 8.8660



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.



20.3316, 20.4426, 11.4688



33.8604, 33.4196, 15.3382



22.8889, 26.8690, 12.5745



6.0681, 6.3501, 6.1463



13.3945, 11.3033, 1.4758



0.1930, 0.1965, 0.0278

Inverse Universe

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



14.5103, 15.1579, 29.3550



22.1941, 22.8379, 51.2119



12.6616, 10.7504, 28.6017



5.6830, 6.0000, 7.3283



6.0007, 4.6962, 24.5212



0.1012, 0.1131, 0.3094

Previews

White Background



This preview shows how the XYZ color 20.3311, 20.4416, 11.4684 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 20.3311, 20.4416, 11.4684 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 20.3311, 20.4416, 11.4684

Background



This preview shows how black text looks on a background with the XYZ color 20.3311, 20.4416, 11.4684.



This preview shows how white text looks on a background with the XYZ color 20.3311, 20.4416,

11.4684.

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

20.3311, 20.4416, 11.4684

Protanopia

19.0456, 20.5062, 11.9711

Deuteranopia

20.7506, 20.4784, 11.4534



Tritanopia

22.5247, 20.4555, 22.1632

Trichromacy



Original Color

20.3311, 20.4416, 11.4684

Protanomaly

19.5348, 20.5762, 11.7461

Deuteranomaly

20.5689, 20.3847, 11.4449

Tritanomaly

21.6873, 20.4722, 17.5603

Monochromacy



Original Color

20.3311, 20.4416, 11.4684

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.4132, 20.1972, 17.6271

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3311, 20.4416, 11.4684 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, 85)` looks like.

```
.text, #text, p{  
    color:rgb(146, 121, 85)  
}
```

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, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 121, 85) }
```

Border

The CSS property to change the border of an element to XYZ 20.3311, 20.4416, 11.4684 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, 85) }
```


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

```
.border{ border-color:rgb(146, 121, 85) }
```

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, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 121, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 121, 85);  
box-shadow:4px 4px 4px 4px rgb(146, 121,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3311, 20.4416, 11.4684 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, 85) }
```

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

```
.background{ background-color: rgb(146,  
121, 85) }
```

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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