

Converting Colors

XYZ(20.8717, 19.7512, 8.5062)

Have a look what the booklet for
XYZ(20.8717, 19.7512, 8.5062)
contains.

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Color

**XYZ(20.9465, 19.7716,
8.5066)**

Conversions

Conversions Part 1

Format	Color
Hex	9C7346
RGB	156, 115, 70
RGB Percent	61%, 45%, 27%
CMY	0.3882, 0.5490, 0.7255
CMYK	0.00, 0.26, 0.55, 0.39
HSL	31°, 38%, 44%
HSV	31°, 55%, 61%
XYZ	20.9465, 19.7716, 8.5066
YIQ	122.1290, 38.8810, -5.3030

Conversions

Conversions Part 2

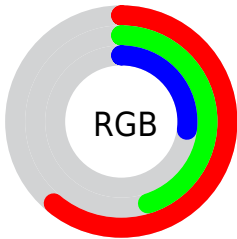
Format	Color
R_{YB}	148, 156, 70
Decimal	10253126
CIE Lab	51.58, 10.73, 31.01
CIE LCh	52, 32.818, 70.916
Yxy	19.7716, 0.4255, 0.4017
Android (android.graphics.Color)	4288443206 (0xFF9C7346)
YUV	122.1290, -25.6996, 29.7049
Hunter-Lab	44.4653, 6.2728, 19.7830

Details

The XYZ color **20.9465, 19.7716, 8.5066** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **14.2106, 15.0705, 33.6122**, and the grayscale version is **18.6137, 19.5831, 21.3260**.

A 20% lighter version of the original color is **44.5891, 43.1155, 23.4248**, and **7.6515, 6.9050, 1.7937** is the 20% darker color. If you saturate the color by 10%, you get **19.7026, 17.9722, 5.9702**, and if you desaturate by 10%, it is **22.3877, 21.7609, 11.7404**.

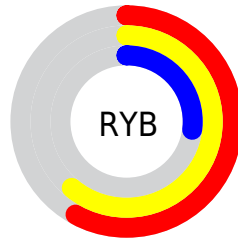
Distribution



Red (61%)

Green (45%)

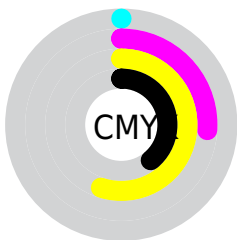
Blue (27%)



Red (58%)

Yellow (61%)

Blue (27%)

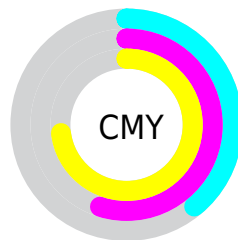


Cyan (0%)

Magenta (26%)

Yellow (55%)

Black (39%)



Cyan (39%)

Magenta (55%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9465, 19.7716, 8.5066 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 20.9465, 19.7716, 8.5066 by changing the saturation by 10% instead.

■ 20.9465, 19.7716,
8.5066

■ 20.9465, 19.7716,
8.5066

249.7311,
250.6760, 189.7338

■ 13.1971, 12.2291,
4.3284

■ 44.4904, 43.0339,
23.5081

■ 7.6424, 6.8999,
1.8072

■ 61.0157, 59.5226,
35.1685

■ 3.9168, 3.3996,
0.4327

■ 81.1970, 79.7620,
50.1600

■ 1.6552, 1.3437,
0.0000

■ 105.3997,
104.1368, 68.9013

■ 0.4280, 0.1747,
0.0000

■ 133.9890,
133.0311, 91.8107

■ 0.0000, 0.0000,
0.0000

167.3305,

166.8295, 119.3069

205.7894,
205.9163, 151.8084

■ 20.9465, 19.7716,
8.5066

■ 20.9465, 19.7716,
8.5066

■ 19.7026, 17.9722,
5.9702

■ 22.3877, 21.7609,
11.7404

■ 18.6429, 16.3526,
4.0760

■ 24.0354, 23.9440,
15.7185

■ 17.7545, 14.9058,
2.7626

■ 25.8997, 26.3282,
20.4851

■ 17.0208, 13.6223,
1.9506

■ 27.9898, 28.9193,
26.0807

■ 16.7001, 13.0476,
1.6382

■ 30.3141, 31.7231,
32.5428

■ 32.8806, 34.7449,
39.9067

■ 35.6968, 37.9899,
48.2057

■ 38.7700, 41.4631,
57.4714

■ 42.1071, 45.1692,
67.7340

Harmonies

Analogous

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



24.0125, 19.7716, 11.6763



20.9465, 19.7716, 8.5066



17.6149, 19.7716, 8.1506

Triad

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



20.9465, 19.7716, 8.5066



13.2199, 19.7716, 25.1598



23.2670, 19.7716, 38.4080

Complementary

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



20.9465, 19.7716, 8.5066



14.2106, 15.0705, 33.6122

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.



20.0210, 19.7716, 44.7855



20.9465, 19.7716, 8.5066



14.3895, 19.7716, 35.7754

Square

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



20.9465, 19.7716, 8.5066



13.4060, 19.7716, 16.1112



16.7911, 19.7716, 43.7015



25.4569, 19.7716, 28.0401

Rectangle

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



20.9465, 19.7716, 8.5066



15.7141, 19.7716, 9.3889



16.7911, 19.7716, 43.7015



22.2483, 19.7716, 41.2096

Sweetspot

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



20.9470, 19.7726, 8.5070



49.9632, 51.4536, 44.9920



18.8010, 12.6086, 16.6459



10.8383, 11.1300, 9.4801



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.



20.9470, 19.7726, 8.5070



35.3387, 31.9745, 9.9981



26.4284, 31.1447, 10.4131



6.9058, 7.1917, 7.0098



13.7908, 10.8171, 1.3611



0.2888, 0.2779, 0.0384

Inverse Universe

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



14.2106, 15.0705, 33.6122



21.8409, 22.5620, 60.3305



10.8214, 8.1368, 32.4525



6.5325, 6.9307, 8.4001



7.0143, 6.1201, 26.7188



0.1675, 0.1937, 0.4918

Previews

White Background



This preview shows how the XYZ color 20.9465, 19.7716, 8.5066 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 20.9465, 19.7716, 8.5066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

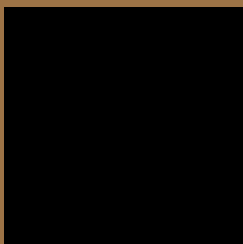
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.9465, 19.7716, 8.5066

Background



This preview shows how black text looks on a background with the XYZ color 20.9465, 19.7716, 8.5066.



This preview shows how white text looks on a background with the XYZ color 20.9465, 19.7716,

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

20.9465, 19.7716, 8.5066

Protanopia

18.2772, 19.7979, 9.1614

Deuteranopia

20.1303, 19.8706, 8.4046



Tritanopia

23.2359, 19.7189, 19.7210

Trichromacy



Original Color

20.9465, 19.7716, 8.5066

Protanomaly

19.2139, 19.7405, 8.9285

Deuteranomaly

20.3844, 19.8277, 8.3830

Tritanomaly

22.3315, 19.6794, 14.9334

Monochromacy



Original Color

20.9465, 19.7716, 8.5066

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.8765, 19.2413, 15.5510

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9465, 19.7716, 8.5066 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, 115, 70)` looks like.

```
.text, #text, p{  
    color:rgb(156, 115, 70)  
}
```

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, 115, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 115, 70) }
```

Border

The CSS property to change the border of an element to XYZ 20.9465, 19.7716, 8.5066 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, 115, 70) }
```


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

```
.border{ border-color:rgb(156, 115, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 115, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 115, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 115, 70);  
box-shadow:4px 4px 4px 4px rgb(156, 115,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9465, 19.7716, 8.5066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 115, 70) }
```

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

```
.background{ background-color: rgb(156,  
115, 70) }
```

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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