

Converting Colors

XYZ(23.9495, 19.8753, 7.3062)

Have a look what the booklet for
XYZ(23.9495, 19.8753, 7.3062)
contains.

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Color

**XYZ(23.9557, 19.8971,
7.2805)**

Conversions

Conversions Part 1

Format	Color
Hex	B06A3F
RGB	176, 106, 63
RGB Percent	69%, 42%, 25%
CMY	0.3098, 0.5843, 0.7529
CMYK	0.00, 0.40, 0.64, 0.31
HSL	23°, 47%, 47%
HSV	23°, 64%, 69%
XYZ	23.9557, 19.8971, 7.2805
YIQ	122.0280, 55.5230, 1.4670

Conversions

Conversions Part 2

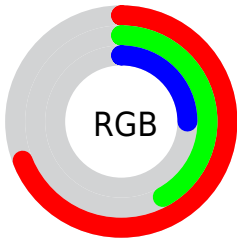
Format	Color
R_{YB}	176, 132, 63
Decimal	11561535
CIE Lab	51.72, 23.94, 35.58
CIE LCh	52, 42.884, 56.073
Yxy	19.8971, 0.4685, 0.3891
Android (android.graphics.Color)	4289751615 (0xFFB06A3F)
YUV	122.0280, -29.1008, 47.3334
Hunter-Lab	44.6062, 17.8025, 21.5472

Details

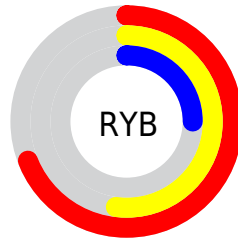
The XYZ color **23.9557, 19.8971, 7.2805** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **18.2732, 20.9650, 44.1575**, and the grayscale version is **18.5877, 19.5557, 21.2962**.

A 20% lighter version of the original color is **49.4124, 43.2857, 21.0799**, and **9.2220, 6.9885, 1.3932** is the 20% darker color. If you saturate the color by 10%, you get **22.4873, 17.6257, 4.7402**, and if you desaturate by 10%, it is **25.7251, 22.5191, 10.6971**.

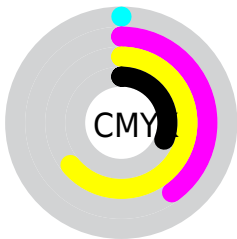
Distribution



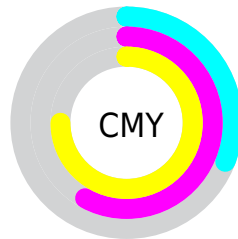
- Red (69%)
- Green (42%)
- Blue (25%)



- Red (69%)
- Yellow (52%)
- Blue (25%)



- Cyan (0%)
- Magenta (40%)
- Yellow (64%)
- Black (31%)





- Cyan (31%)
- Magenta (58%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.9557, 19.8971, 7.2805 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 23.9557, 19.8971, 7.2805 by changing the saturation by 10% instead.


 23.9557, 19.8971,
7.2805


 23.9557, 19.8971,
7.2805


265.0411,
251.3575, 179.6929

 15.4253, 12.3203,
3.5570


 49.4131, 43.2446,
21.0577


 9.2067, 6.9622,
1.3856


 67.0708, 59.7841,
31.9486

 4.9344, 3.4385,
0.1305

 88.5017, 80.0798,
46.0656

 2.2432, 1.3647,
0.0000

 114.0711,
104.5163, 63.8274

 0.7654, 0.1905,
0.0000

 144.1444,
133.4780, 85.6525

 0.0000, 0.0000,
0.0000

 179.0869,

167.3491, 111.9594

219.2640,
206.5142, 143.1667

■ 23.9557, 19.8971,
7.2805

■ 23.9557, 19.8971,
7.2805

■ 22.4873, 17.6257,
4.7402

■ 25.7251, 22.5191,
10.6971

■ 21.2976, 15.6850,
2.9912

■ 27.8127, 25.5043,
15.0620

■ 20.3625, 14.0570,
1.9330

■ 30.2360, 28.8680,
20.4408

■ 19.9104, 13.2421,
1.5066

■ 33.0104, 32.6239,
26.8929

■ 36.1505, 36.7848,
34.4733

■ 39.6700, 41.3630,
43.2328

■ 43.5818, 46.3701,
53.2195

■ 47.8981, 51.8173,
64.4786

■ 52.6307, 57.7155,
77.0529

Harmonies

Analogous

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



27.4301, 19.8971, 12.7753



23.9557, 19.8971, 7.2805



19.4882, 19.8971, 5.5099

Triad

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



23.9557, 19.8971, 7.2805



11.7552, 19.8971, 20.0704



22.8167, 19.8971, 50.9586

Complementary

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



23.9557, 19.8971, 7.2805



18.2732, 20.9650, 44.1575

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.



18.3465, 19.8971, 55.2723



23.9557, 19.8971, 7.2805



12.3692, 19.8971, 33.9411

Square

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



23.9557, 19.8971, 7.2805



12.8043, 19.8971, 10.8857



14.6304, 19.8971, 48.1214



26.7051, 19.8971, 37.9060

Rectangle

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



23.9557, 19.8971, 7.2805



16.6965, 19.8971, 5.8695



14.6304, 19.8971, 48.1214



21.3144, 19.8971, 53.6509

Sweetspot

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



23.9562, 19.8981, 7.2809



62.5603, 62.7525, 55.2110



24.0246, 14.5222, 24.2988



13.2191, 13.1492, 11.1517



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



23.9562, 19.8981, 7.2809



39.8317, 30.4377, 7.1180



31.5347, 35.0552, 9.8070



8.7526, 9.0178, 8.9318



14.6615, 9.8215, 1.1230



0.5187, 0.4238, 0.0545

Inverse Universe

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



18.2732, 20.9650, 44.1575



28.6335, 32.3637, 79.2330



12.6155, 9.6497, 42.2716



8.4656, 9.0773, 10.8122



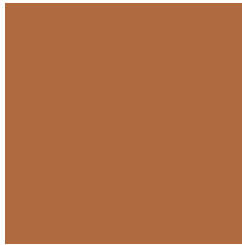
9.8214, 10.4433, 31.6351



0.3632, 0.4369, 1.0134

Previews

White Background



This preview shows how the XYZ color 23.9557, 19.8971, 7.2805 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 23.9557, 19.8971, 7.2805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

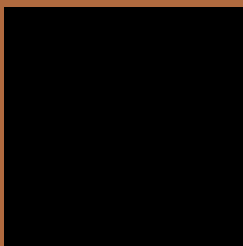
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.9557, 19.8971, 7.2805

Background



This preview shows how black text looks on a background with the XYZ color 23.9557, 19.8971, 7.2805.



This preview shows how white text looks on a background with the XYZ color 23.9557, 19.8971,

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

23.9557, 19.8971, 7.2805

Protanopia

18.4352, 20.0792, 8.5343

Deuteranopia

20.4309, 20.0554, 7.0692



Tritanopia

25.9509, 19.9738, 16.6749

Trichromacy



Original Color

23.9557, 19.8971, 7.2805

Protanomaly

20.1369, 19.7071, 8.0527

Deuteranomaly

21.5576, 19.9486, 7.1291

Tritanomaly

25.1421, 19.9382, 12.6485

Monochromacy



Original Color

23.9557, 19.8971, 7.2805

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.7497, 19.1812, 14.9733

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9557, 19.8971, 7.2805 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(176, 106, 63)` looks like.

```
.text, #text, p{  
    color:rgb(176, 106, 63)  
}
```

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(176, 106, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 106, 63) }
```

Border

The CSS property to change the border of an element to XYZ 23.9557, 19.8971, 7.2805 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(176, 106, 63) }
```


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

```
.border{ border-color:rgb(176, 106, 63) }
```

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

Here you see how a box with a 4 pixel rgb(176, 106, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 106, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 106, 63);  
box-shadow:4px 4px 4px 4px rgb(176, 106,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9557, 19.8971, 7.2805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 106, 63) }
```

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

```
.background{ background-color: rgb(176,  
106, 63) }
```

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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