

Converting Colors

XYZ(21.3968, 19.0578, 6.6549)

Have a look what the booklet for
XYZ(21.3968, 19.0578, 6.6549)
contains.

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Color

**XYZ(21.3623, 19.0396,
6.6868)**

Conversions

Conversions Part 1

Format	Color
Hex	A36D3B
RGB	163, 109, 59
RGB Percent	64%, 43%, 23%
CMY	0.3608, 0.5725, 0.7686
CMYK	0.00, 0.33, 0.64, 0.36
HSL	29°, 47%, 44%
HSV	29°, 64%, 64%
XYZ	21.3623, 19.0396, 6.6868
YIQ	119.4460, 48.2340, -4.1020

Conversions

Conversions Part 2

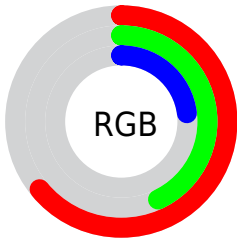
Format	Color
R_{YB}	163, 155, 59
Decimal	10710331
CIE Lab	50.73, 16.36, 36.15
CIE LCh	51, 39.678, 65.657
Yxy	19.0396, 0.4537, 0.4043
Android (android.graphics.Color)	4288900411 (0xFFA36D3B)
YUV	119.4460, -29.7999, 38.1969
Hunter-Lab	43.6344, 11.0289, 21.4581

Details

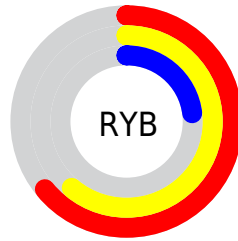
The XYZ color **21.3623, 19.0396, 6.6868** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **14.3193, 15.3836, 36.8647**, and the grayscale version is **17.7575, 18.6823, 20.3450**.

A 20% lighter version of the original color is **45.2704, 41.9446, 19.8975**, and **7.7985, 6.4898, 1.1895** is the 20% darker color. If you saturate the color by 10%, you get **20.1441, 17.1774, 4.5108**, and if you desaturate by 10%, it is **22.8004, 21.1304, 9.5877**.

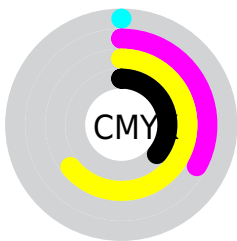
Distribution



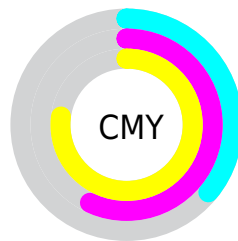
- Red (64%)
- Green (43%)
- Blue (23%)



- Red (64%)
- Yellow (61%)
- Blue (23%)



- Cyan (0%)
- Magenta (33%)
- Yellow (64%)
- Black (36%)



- Cyan (36%)
- Magenta (57%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3623, 19.0396, 6.6868 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 21.3623, 19.0396, 6.6868 by changing the saturation by 10% instead.

■ 21.3623, 19.0396,
6.6868

■ 21.3623, 19.0396,
6.6868

251.8931,
246.6673, 174.5663

■ 13.5031, 11.6989,
3.1915

■ 45.1765, 41.8010,
19.8423

■ 7.8552, 6.5390,
1.1933

■ 61.8621, 57.9905,
30.3397

■ 4.0535, 3.1755,
0.0000

■ 82.2206, 77.8984,
44.0082

■ 1.7324, 1.2240,
0.0000

■ 106.6173,
101.9090, 61.2663

■ 0.4764, 0.0812,
0.0000

■ 135.4175,
130.4068, 82.5327

■ 0.0000, 0.0000,
0.0000

■ 168.9867,

163.7762, 108.2257

207.6901,
202.4016, 138.7641

■ 21.3623, 19.0396,
6.6868

■ 21.3623, 19.0396,
6.6868

■ 20.1441, 17.1774,
4.5108

■ 22.8004, 21.1304,
9.5877

■ 19.1291, 15.5309,
2.9905

■ 24.4705, 23.4561,
13.2719

■ 18.3001, 14.0899,
2.0452

■ 26.3852, 26.0262,
17.7928

■ 17.8550, 13.2882,
1.6238

■ 28.5558, 28.8485,
23.1989

■ 30.9928, 31.9307,
29.5350

■ 33.7059, 35.2799,
36.8426

■ 36.7045, 38.9030,
45.1611

■ 39.9974, 42.8067,
54.5272

■ 43.5929, 46.9972,
64.9761

Harmonies

Analogous

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



24.8889, 19.0396, 10.5734



21.3623, 19.0396, 6.6868



17.3684, 19.0396, 5.8744

Triad

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



21.3623, 19.0396, 6.6868



11.6204, 19.0396, 22.9177



22.8225, 19.0396, 43.4964

Complementary

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



21.3623, 19.0396, 6.6868



14.3193, 15.3836, 36.8647

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.



18.8448, 19.0396, 50.2362



21.3623, 19.0396, 6.6868



12.6682, 19.0396, 35.9150

Square

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



21.3623, 19.0396, 6.6868



12.0951, 19.0396, 13.0874



15.1819, 19.0396, 47.0542



25.8130, 19.0396, 30.8877

Rectangle

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



21.3623, 19.0396, 6.6868



15.0438, 19.0396, 6.7850



15.1819, 19.0396, 47.0542



21.5366, 19.0396, 46.6961

Sweetspot

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



21.3627, 19.0406, 6.6872



53.0240, 54.0641, 46.3873



19.7321, 12.1401, 17.3626



11.6467, 11.8091, 9.7417



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



21.3627, 19.0406, 6.6872



35.1924, 29.3525, 6.6812



28.3836, 33.0822, 9.0274



7.3416, 7.6216, 7.4643



13.9218, 10.4176, 1.2770



0.3398, 0.3135, 0.0426

Inverse Universe

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



14.3193, 15.3836, 36.8647



21.5184, 22.2360, 65.2140



10.1627, 7.0706, 35.4792



6.9904, 7.4398, 8.9707



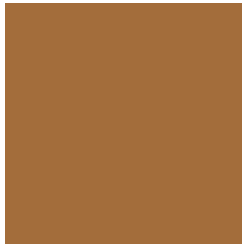
7.6856, 7.1505, 27.9049



0.2085, 0.2444, 0.6020

Previews

White Background



This preview shows how the XYZ color 21.3623, 19.0396, 6.6868 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 21.3623, 19.0396, 6.6868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

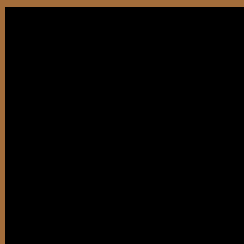
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.3623, 19.0396, 6.6868

Background



This preview shows how black text looks on a background with the XYZ color 21.3623, 19.0396, 6.6868.



This preview shows how white text looks on a background with the XYZ color 21.3623, 19.0396,

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

21.3623, 19.0396, 6.6868

Protanopia

17.5661, 19.1020, 7.4638

Deuteranopia

19.4469, 19.0409, 6.5212



Tritanopia

23.6558, 19.0637, 17.4718

Trichromacy



Original Color

21.3623, 19.0396, 6.6868

Protanomaly

18.9078, 19.0901, 7.2456

Deuteranomaly

20.1864, 19.0843, 6.6227

Tritanomaly

22.7092, 18.9828, 12.5924

Monochromacy



Original Color

21.3623, 19.0396, 6.6868

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.2801, 18.2754, 13.8733

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3623, 19.0396, 6.6868 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(163, 109, 59)` looks like.

```
.text, #text, p{  
    color:rgb(163, 109, 59)  
}
```

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(163, 109, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 109, 59) }
```

Border

The CSS property to change the border of an element to XYZ 21.3623, 19.0396, 6.6868 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(163, 109, 59) }
```


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

```
.border{ border-color:rgb(163, 109, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 109, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 109, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 109, 59);  
box-shadow:4px 4px 4px 4px rgb(163, 109,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3623, 19.0396, 6.6868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 109, 59) }
```

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

```
.background{ background-color: rgb(163,  
109, 59) }
```

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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