

Converting Colors

XYZ(21.7561, 16.5934, 9.8227)

Have a look what the booklet for
XYZ(21.7561, 16.5934, 9.8227)
contains.

XYZ(21.8039, 16.6223, 9.8438)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.8039, 16.6223,
9.8438)**

Conversions

Conversions Part 1

Format	Color
Hex	AA5B51
RGB	170, 91, 81
RGB Percent	67%, 36%, 32%
CMY	0.3333, 0.6431, 0.6824
CMYK	0.00, 0.46, 0.52, 0.33
HSL	7°, 35%, 49%
HSV	7°, 52%, 67%
XYZ	21.8039, 16.6223, 9.8438
YIQ	113.4810, 50.2940, 13.6380

Conversions

Conversions Part 2

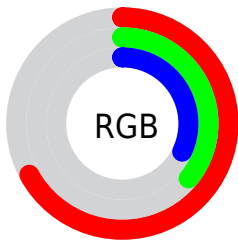
Format	Color
R_{YB}	170, 92, 81
Decimal	11164497
CIE _{Lab}	47.78, 31.16, 20.20
CIE _{LCh}	48, 37.140, 32.955
Yxy	16.6223, 0.4517, 0.3444
Android (android.graphics.Color)	4289354577 (0xFFAA5B51)
YUV	113.4810, -16.0131, 49.5672
Hunter-Lab	40.7705, 24.1129, 14.2241

Details

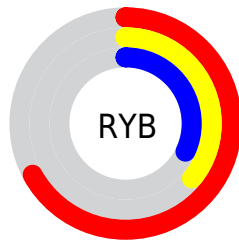
The XYZ color **21.8039, 16.6223, 9.8438** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **23.2192, 29.7918, 42.5568**, and the grayscale version is **15.8752, 16.7020, 18.1885**.

A 20% lighter version of the original color is **45.8466, 37.7506, 25.9893**, and **8.0858, 5.3607, 2.2776** is the 20% darker color. If you saturate the color by 10%, you get **20.0817, 14.0735, 6.5086**, and if you desaturate by 10%, it is **23.9459, 19.7554, 14.1065**.

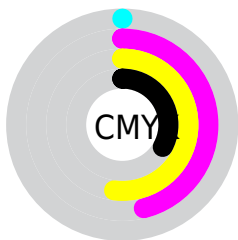
Distribution



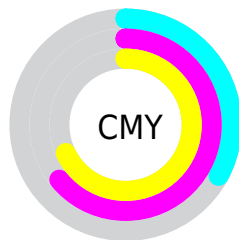
- Red (67%)
- Green (36%)
- Blue (32%)



- Red (67%)
- Yellow (36%)
- Blue (32%)



- Cyan (0%)
- Magenta (46%)
- Yellow (52%)
- Black (33%)



- Cyan (33%)
- Magenta (64%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8039, 16.6223, 9.8438 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 21.8039, 16.6223, 9.8438 by changing the saturation by 10% instead.

■ 21.8039, 16.6223,
9.8438

■ 21.8039, 16.6223,
9.8438

254.1721,
232.9863, 199.9977

■ 13.8287, 9.9656,
5.1913

■ 45.9029, 37.6752,
26.1045

■ 8.0825, 5.3761,
2.2992

■ 62.7575, 52.8402,
38.5497

■ 4.2000, 2.4696,
0.7308

■ 83.3025, 71.6101,
54.4296

■ 1.8159, 0.8614,
0.0000

■ 107.9033, 94.3692,
74.1627

■ 0.5272, 0.0000,
0.0000

■ 136.9253,
121.5020, 98.1675

■ 0.0000, 0.0000,
0.0000

170.7339,

153.3928, 126.8626

209.6944,
190.4262, 160.6665

■ 21.8039, 16.6223,
9.8438

■ 21.8039, 16.6223,
9.8438

■ 20.0817, 14.0735,
6.5086

■ 23.9459, 19.7554,
14.1065

■ 18.7502, 12.0703,
4.0310

■ 26.5318, 23.5032,
19.3581

■ 17.7787, 10.5734,
2.3322

■ 29.5850, 27.8971,
25.6554

■ 17.1311, 9.5368,
1.3187

■ 33.1273, 32.9657,
33.0511

■ 16.8123, 9.0155,
0.8541

■ 37.1788, 38.7357,
41.5940

■ 41.7587, 45.2325,
51.3300

■ 46.8850, 52.4802,
62.3026

■ 52.5750, 60.5017,
74.5532

■ 58.8452, 69.3190,
88.1209

Harmonies

Analogous

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



23.0951, 16.6223, 17.1698



21.8039, 16.6223, 9.8438



18.8929, 16.6223, 6.1865

Triad

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



21.8039, 16.6223, 9.8438



10.7547, 16.6223, 10.9757



16.1314, 16.6223, 43.2840

Complementary

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



21.8039, 16.6223, 9.8438



23.2192, 29.7918, 42.5568

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.



13.0628, 16.6223, 39.8373



21.8039, 16.6223, 9.8438



10.2283, 16.6223, 19.0608

Square

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



21.8039, 16.6223, 9.8438



12.5655, 16.6223, 6.6602



11.0122, 16.6223, 30.0194



19.5444, 16.6223, 38.2589

Rectangle

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



21.8039, 16.6223, 9.8438



16.5974, 16.6223, 5.3180



11.0122, 16.6223, 30.0194



15.0266, 16.6223, 43.0803

Sweetspot

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



21.8043, 16.6232, 9.8441



57.4670, 56.0423, 54.4403



25.9619, 17.0078, 35.6790



12.5296, 12.0888, 11.5439



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



21.8043, 16.6232, 9.8441



35.9530, 24.8135, 10.8941



26.6433, 26.3012, 11.4571



7.5965, 7.6731, 7.8699



12.3893, 6.6759, 0.6356



0.3216, 0.2027, 0.0222

Inverse Universe

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



23.2192, 29.7918, 42.5568



38.7566, 51.2732, 76.8559



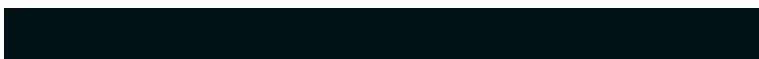
16.9639, 17.2813, 40.4718



7.6745, 8.3859, 9.6325



13.4907, 18.4415, 30.8240



0.3479, 0.4880, 0.7565

Previews

White Background



This preview shows how the XYZ color 21.8039, 16.6223, 9.8438 looks on a white background.

Color Contrast Check

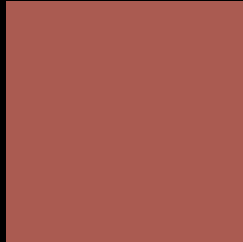
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 21.8039, 16.6223, 9.8438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

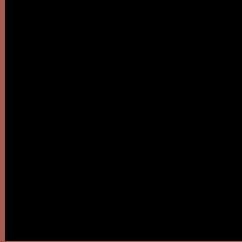
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.8039, 16.6223, 9.8438

Background



This preview shows how black text looks on a background with the XYZ color 21.8039, 16.6223, 9.8438.



This preview shows how white text looks on a background with the XYZ color 21.8039, 16.6223,

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

21.8039, 16.6223, 9.8438

Protanopia

15.7908, 16.8549, 12.3186

Deuteranopia

16.9971, 16.7216, 9.5395



Tritanopia

22.4325, 16.6289, 12.8538

Trichromacy



Original Color

21.8039, 16.6223, 9.8438

Protanomaly

17.5218, 16.4852, 11.2753

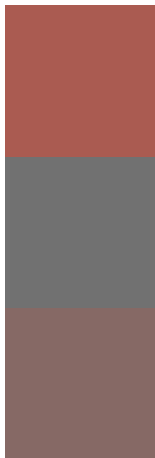
Deuteranomaly

18.3754, 16.3632, 9.5871

Tritanomaly

22.2962, 16.7084, 11.7228

Monochromacy



Original Color

21.8039, 16.6223, 9.8438

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

17.2321, 16.1111, 14.5134

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8039, 16.6223, 9.8438 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(170, 91, 81)` looks like.

```
.text, #text, p{  
    color:rgb(170, 91, 81)  
}
```

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(170, 91, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 91, 81) }
```

Border

The CSS property to change the border of an element to XYZ 21.8039, 16.6223, 9.8438 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(170, 91, 81) }
```


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

```
.border{ border-color:rgb(170, 91, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 91, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 91, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 91, 81);  
box-shadow:4px 4px 4px 4px rgb(170, 91,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8039, 16.6223, 9.8438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 91, 81) }
```

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

```
.background{ background-color: rgb(170, 91,  
81) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor