

Converting Colors

XYZ(21.8327, 18.5639, 10.4132)

Have a look what the booklet for
XYZ(21.8327, 18.5639, 10.4132)
contains.

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Color

**XYZ(21.8844, 18.6049,
10.4203)**

Conversions

Conversions Part 1

Format	Color
Hex	A46952
RGB	164, 105, 82
RGB Percent	64%, 41%, 32%
CMY	0.3569, 0.5882, 0.6784
CMYK	0.00, 0.36, 0.50, 0.36
HSL	17°, 33%, 48%
HSV	17°, 50%, 64%
XYZ	21.8844, 18.6049, 10.4203
YIQ	120.0190, 42.5470, 5.3550

Conversions

Conversions Part 2

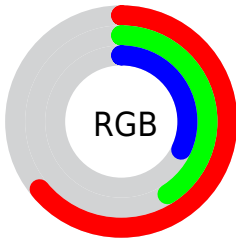
Format	Color
RYB	164, 114, 82
Decimal	10774866
CIELab	50.22, 21.02, 22.69
CIELCh	50, 30.931, 47.195
Yxy	18.6049, 0.4299, 0.3654
Android (android.graphics.Color)	4288964946 (0xFFA46952)
YUV	120.0190, -18.7434, 38.5713
Hunter-Lab	43.1334, 15.0813, 15.8699

Details

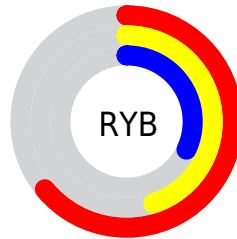
The XYZ color **21.8844, 18.6049, 10.4203** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **19.7048, 23.5227, 38.6236**, and the grayscale version is **17.9077, 18.8403, 20.5171**.

A 20% lighter version of the original color is **46.0406, 41.1520, 27.3463**, and **8.1037, 6.3110, 2.5413** is the 20% darker color. If you saturate the color by 10%, you get **20.2138, 16.1460, 7.1439**, and if you desaturate by 10%, it is **23.8718, 21.4589, 14.5386**.

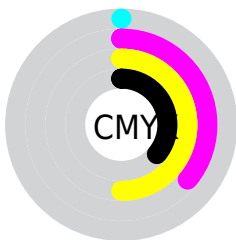
Distribution



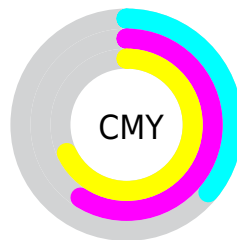
- Red (64%)
- Green (41%)
- Blue (32%)



- Red (64%)
- Yellow (45%)
- Blue (32%)



- Cyan (0%)
- Magenta (36%)
- Yellow (50%)
- Black (36%)



- Cyan (36%)
- Magenta (59%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8844, 18.6049, 10.4203 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 21.8844, 18.6049, 10.4203 by changing the saturation by 10% instead.

■ 21.8844, 18.6049,
10.4203

■ 21.8844, 18.6049,
10.4203

254.5857,
244.2588, 204.2387

■ 13.8881, 11.3851,
5.5693

■ 46.0351, 41.0654,
27.2032

■ 8.1241, 6.3265,
2.5205

■ 62.9203, 57.0749,
39.9721

■ 4.2269, 3.0446,
0.8510

■ 83.4991, 76.7832,
56.2174

■ 1.8313, 1.1551,
0.0000

■ 108.1370,
100.5745, 76.3577

■ 0.5364, 0.0245,
0.0000

■ 137.1992,
128.8333, 100.8114

■ 0.0000, 0.0000,
0.0000

171.0512,

161.9441, 129.9971

210.0582,
200.2911, 164.3333

■ 21.8844, 18.6049,
10.4203

■ 21.8844, 18.6049,
10.4203

■ 20.2138, 16.1460,
7.1439

■ 23.8718, 21.4589,
14.5386

■ 18.8411, 14.0614,
4.6491

■ 26.1909, 24.7218,
19.5510

■ 17.7472, 12.3325,
2.8693

■ 28.8571, 28.4105,
25.5070

■ 16.9097, 10.9379,
1.7261

■ 31.8844, 32.5398,
32.4519

■ 16.2871, 9.8472,
1.0423

■ 35.2862, 37.1239,
40.4282

■ 16.2871, 9.8471,
1.0423

■ 39.0749, 42.1762,
49.4757

■ 43.2626, 47.7097,
59.6324

■ 47.8606, 53.7369,
70.9341

■ 52.8799, 60.2696,
83.4153

Harmonies

Analogous

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



23.7633, 18.6049, 15.7699



21.8844, 18.6049, 10.4203



18.9884, 18.6049, 8.0708

Triad

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



21.8844, 18.6049, 10.4203



12.6492, 18.6049, 16.8233



19.4379, 18.6049, 40.4072

Complementary

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



21.8844, 18.6049, 10.4203



19.7048, 23.5227, 38.6236

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.



16.4396, 18.6049, 40.9265



21.8844, 18.6049, 10.4203



12.7405, 18.6049, 25.5248

Square

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



21.8844, 18.6049, 10.4203



13.7922, 18.6049, 11.0033



14.0577, 18.6049, 34.8964



22.2452, 18.6049, 33.6307

Rectangle

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



21.8844, 18.6049, 10.4203



16.9732, 18.6049, 7.9202



14.0577, 18.6049, 34.8964



18.4132, 18.6049, 41.3754

Sweetspot

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



21.8849, 18.6058, 10.4207



54.8898, 55.0047, 52.0179



23.2196, 15.8842, 27.4858



11.7641, 11.7028, 10.8327



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.



21.8849, 18.6058, 10.4207



36.3839, 28.8471, 12.3871



26.9378, 28.7117, 12.1050



7.2281, 7.3945, 7.4264



12.5241, 7.6221, 0.8111



0.3010, 0.2359, 0.0297

Inverse Universe

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



19.7048, 23.5227, 38.6236



31.9208, 38.7270, 69.5450



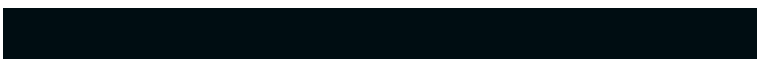
14.8473, 13.8076, 37.0044



7.1074, 7.6737, 9.0097



10.1461, 12.0716, 28.7251



0.2499, 0.3270, 0.6158

Previews

White Background



This preview shows how the XYZ color 21.8844, 18.6049, 10.4203 looks on a white background.

Color Contrast Check

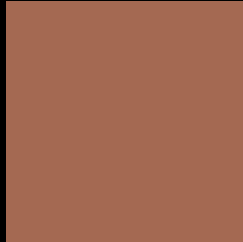
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8844, 18.6049, 10.4203 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 21.8844, 18.6049, 10.4203

Background



This preview shows how black text looks on a background with the XYZ color 21.8844, 18.6049, 10.4203.



This preview shows how white text looks on a background with the XYZ color 21.8844, 18.6049,

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

21.8844, 18.6049, 10.4203

Protanopia

17.5312, 18.8046, 11.9382

Deuteranopia

19.0803, 18.7699, 10.2067



Tritanopia

23.1399, 18.5185, 16.8228

Trichromacy



Original Color

21.8844, 18.6049, 10.4203

Protanomaly

18.9658, 18.6841, 11.4109

Deuteranomaly

19.9321, 18.5423, 10.3131

Tritanomaly

22.5206, 18.4029, 14.1695

Monochromacy



Original Color

21.8844, 18.6049, 10.4203

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.8856, 18.5363, 16.2182

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8844, 18.6049, 10.4203 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(164, 105, 82)` looks like.

```
.text, #text, p{  
    color:rgb(164, 105, 82)  
}
```

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(164, 105, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 105, 82) }
```

Border

The CSS property to change the border of an element to XYZ 21.8844, 18.6049, 10.4203 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(164, 105, 82) }
```


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

```
.border{ border-color:rgb(164, 105, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 105, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 105, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 105, 82);  
box-shadow:4px 4px 4px 4px rgb(164, 105,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8844, 18.6049, 10.4203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 105, 82) }
```

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

```
.background{ background-color: rgb(164,  
105, 82) }
```

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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