

Converting Colors

XYZ(22.1461, 18.4187, 5.4322)

Have a look what the booklet for
XYZ(22.1461, 18.4187, 5.4322)
contains.

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Color

**XYZ(22.1217, 18.3910,
5.4015)**

Conversions

Conversions Part 1

Format	Color
Hex	AB6632
RGB	171, 102, 50
RGB Percent	67%, 40%, 20%
CMY	0.3294, 0.6000, 0.8039
CMYK	0.00, 0.40, 0.71, 0.33
HSL	26°, 55%, 43%
HSV	26°, 71%, 67%
XYZ	22.1217, 18.3910, 5.4015
YIQ	116.7030, 57.8160, -1.5440

Conversions

Conversions Part 2

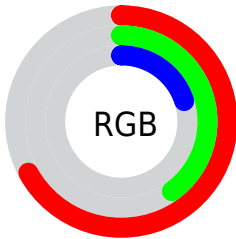
Format	Color
RYB	171, 141, 50
Decimal	11232818
CIELab	49.97, 23.22, 40.25
CIELCh	50, 46.466, 60.019
Yxy	18.3910, 0.4818, 0.4006
Android (android.graphics.Color)	4289422898 (0xFFAB6632)
YUV	116.7030, -32.8846, 47.6185
Hunter-Lab	42.8847, 17.0293, 22.5515

Details

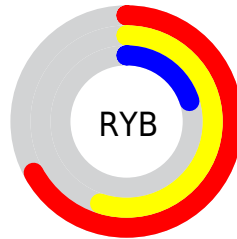
The XYZ color **22.1217, 18.3910, 5.4015** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **15.2624, 16.8111, 40.9683**, and the grayscale version is **16.9031, 17.7833, 19.3661**.

A 20% lighter version of the original color is **46.2765, 40.5063, 17.1838**, and **8.2641, 6.2179, 0.7933** is the 20% darker color. If you saturate the color by 10%, you get **20.9169, 16.4656, 3.5074**, and if you desaturate by 10%, it is **23.5779, 20.5989, 8.0595**.

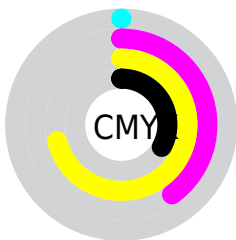
Distribution



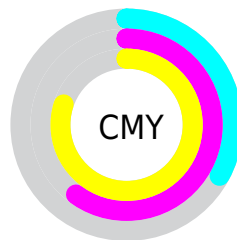
- Red (67%)
- Green (40%)
- Blue (20%)



- Red (67%)
- Yellow (55%)
- Blue (20%)



- Cyan (0%)
- Magenta (40%)
- Yellow (71%)
- Black (33%)





- Cyan (33%)
- Magenta (60%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.1217, 18.3910, 5.4015 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 22.1217, 18.3910, 5.4015 by changing the saturation by 10% instead.


 22.1217, 18.3910,
5.4015


 22.1217, 18.3910,
5.4015


255.8016,
243.0658, 162.7202


 14.0635, 11.2311,
2.4219


 46.4244, 40.7025,
17.1311


 8.2468, 6.2225,
0.7983


 63.3996, 56.6228,
26.7182

 4.3064, 2.9808,
0.0000

 84.0778, 76.2320,
39.3448

 1.8769, 1.1217,
0.0000

 108.8244, 99.9146,
55.4295

 0.5634, 0.0000,
0.0000

 138.0047,
128.0548, 75.3909

 0.0000, 0.0000,
0.0000

 171.9841,

161.0372, 99.6474

211.1279,
199.2460, 128.6177

■ 22.1217, 18.3910,
5.4015

■ 22.1217, 18.3910,
5.4015

■ 20.9169, 16.4656,
3.5074

■ 23.5779, 20.5989,
8.0595

■ 19.9420, 14.8056,
2.2892

■ 25.3017, 23.0993,
11.5540

■ 19.2096, 13.4881,
1.5910

■ 27.3091, 25.9051,
15.9503

■ 29.6144, 29.0274,
21.3069

■ 32.2308, 32.4767,
27.6771

■ 35.1705, 36.2630,
35.1104

■ 38.4453, 40.3956,
43.6531

■ 42.0661, 44.8837,
53.3485

■ 46.0433, 49.7359,
64.2379

Harmonies

Analogous

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



25.9996, 18.3910, 10.0849



22.1217, 18.3910, 5.4015



17.4773, 18.3910, 4.1432

Triad

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



22.1217, 18.3910, 5.4015



10.2346, 18.3910, 20.0327



22.1274, 18.3910, 49.6789

Complementary

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



22.1217, 18.3910, 5.4015



15.2624, 16.8111, 40.9683

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.



17.4829, 18.3910, 55.9597



22.1217, 18.3910, 5.4015



11.0604, 18.3910, 34.9836

Square

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



22.1217, 18.3910, 5.4015



11.0583, 18.3910, 10.0937



13.5379, 18.3910, 49.6937



26.0033, 18.3910, 34.9633

Rectangle

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



22.1217, 18.3910, 5.4015



14.7075, 18.3910, 4.6839



13.5379, 18.3910, 49.6937



20.5809, 18.3910, 53.0690

Sweetspot

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



22.1221, 18.3920, 5.4018



57.4208, 57.7693, 48.8164



21.3609, 12.3095, 19.2057



12.5153, 12.5036, 10.1722



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.



22.1221, 18.3920, 5.4018



36.4106, 27.7251, 4.8917



30.1005, 34.3487, 8.0613



8.2777, 8.5602, 8.4294



14.5316, 10.2687, 1.2162



0.4593, 0.3957, 0.0522

Inverse Universe

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



15.2624, 16.8111, 40.9683



23.2968, 24.5857, 72.5195



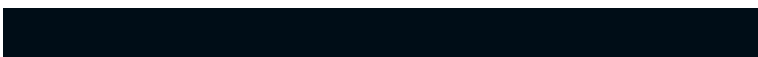
10.2864, 6.8590, 39.3096



7.9437, 8.4867, 10.1721



8.8522, 8.8383, 30.2839



0.2992, 0.3517, 0.8601

Previews

White Background



This preview shows how the XYZ color 22.1217, 18.3910, 5.4015 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 22.1217, 18.3910, 5.4015 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 22.1217, 18.3910, 5.4015

Background



This preview shows how black text looks on a background with the XYZ color 22.1217, 18.3910, 5.4015.



This preview shows how white text looks on a background with the XYZ color 22.1217, 18.3910,

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

22.1217, 18.3910, 5.4015

Protanopia

16.9218, 18.6143, 6.3155

Deuteranopia

18.8126, 18.4051, 5.2503



Tritanopia

24.0866, 18.3437, 15.1031

Trichromacy



Original Color

22.1217, 18.3910, 5.4015

Protanomaly

18.4018, 18.1783, 5.9070

Deuteranomaly

19.9068, 18.3188, 5.2830

Tritanomaly

23.2015, 18.2597, 10.6891

Monochromacy



Original Color

22.1217, 18.3910, 5.4015

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

18.0865, 17.6970, 12.8185

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1217, 18.3910, 5.4015 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(171, 102, 50)` looks like.

```
.text, #text, p{  
    color:rgb(171, 102, 50)  
}
```

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(171, 102, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 102, 50) }
```

Border

The CSS property to change the border of an element to XYZ 22.1217, 18.3910, 5.4015 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(171, 102, 50) }
```


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

```
.border{ border-color:rgb(171, 102, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 102, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 102, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 102, 50);  
box-shadow:4px 4px 4px 4px rgb(171, 102,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1217, 18.3910, 5.4015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 102, 50) }
```

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

```
.background{ background-color: rgb(171,  
102, 50) }
```

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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