

Converting Colors

XYZ(22.6328, 21.1188, 3.4557)

Have a look what the booklet for
XYZ(22.6328, 21.1188, 3.4557)
contains.

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Color

**XYZ(22.6189, 21.0911,
3.4511)**

Conversions

Conversions Part 1

Format	Color
Hex	A87512
RGB	168, 117, 18
RGB Percent	66%, 46%, 7%
CMY	0.3412, 0.5412, 0.9294
CMYK	0.00, 0.30, 0.89, 0.34
HSL	40°, 81%, 36%
HSV	40°, 89%, 66%
XYZ	22.6189, 21.0911, 3.4511
YIQ	120.9630, 62.1750, -19.9770

Conversions

Conversions Part 2

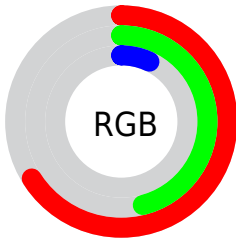
Format	Color
R_{YB}	95, 168, 18
Decimal	11040018
CIE Lab	53.05, 12.22, 55.76
CIE LCh	53, 57.080, 77.636
Yxy	21.0911, 0.4796, 0.4472
Android (android.graphics.Color)	4289230098 (0xFFA87512)
YUV	120.9630, -50.7608, 41.2514
Hunter-Lab	45.9250, 7.5456, 27.6921

Details

The XYZ color **22.6189, 21.0911, 3.4511** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **9.4454, 7.2119, 37.9396**, and the grayscale version is **18.3075, 19.2609, 20.9751**.

A 20% lighter version of the original color is **47.1026, 45.2012, 12.7207**, and **8.6837, 7.6358, 1.0162** is the 20% darker color. If you saturate the color by 10%, you get **21.8714, 19.7604, 2.6960**, and if you desaturate by 10%, it is **23.4966, 22.5406, 4.6873**.

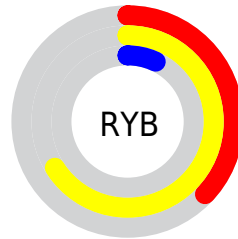
Distribution



Red (66%)

Green (46%)

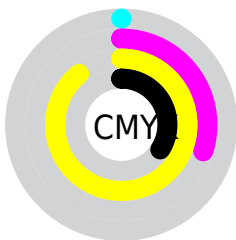
Blue (7%)



Red (37%)

Yellow (66%)

Blue (7%)

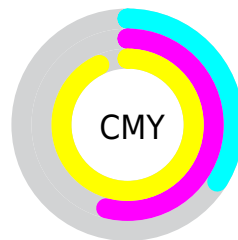


Cyan (0%)

Magenta (30%)

Yellow (89%)

Black (34%)



Cyan (34%)

Magenta (54%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6189, 21.0911, 3.4511 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 22.6189, 21.0911, 3.4511 by changing the saturation by 10% instead.

■ 22.6189, 21.0911,
3.4511

■ 22.6189, 21.0911,
3.4511

258.3336,
257.7622, 141.9136

■ 14.4315, 13.1906,
1.3293

■ 47.2381, 45.2391,
12.7226

■ 8.5051, 7.5599,
0.0856

■ 64.4006, 62.2554,
20.7095

■ 4.4743, 3.8147,
0.0000

■ 85.2855, 83.0791,
31.4884

■ 1.9738, 1.5704,
0.0000

■ 110.2581,
108.0946, 45.4780

■ 0.6192, 0.3375,
0.0000

■ 139.6839,
137.6862, 63.0968

■ 0.0000, 0.0000,
0.0000

■ 173.9282,

172.2385, 84.7633

■ 213.3563,
212.1357, 110.8960

■ 22.6189, 21.0911,
3.4511

■ 22.6189, 21.0911,
3.4511

■ 21.8714, 19.7604,
2.6960

■ 23.4966, 22.5406,
4.6873

■ 21.8201, 19.6683,
2.6463

■ 24.5344, 24.1194,
6.5647

■ 25.7485, 25.8359,
9.1635

■ 27.1525, 27.6966,
12.5519

■ 28.7584, 29.7073,
16.7899

■ 30.5771, 31.8735,
21.9318

■ 32.6187, 34.2002,
28.0275

■ 34.8925, 36.6920,
35.1229

■ 37.4071, 39.3535,
43.2611

Harmonies

Analogous

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



28.8660, 21.0911, 6.1834



22.6189, 21.0911, 3.4511



16.7512, 21.0911, 3.6782

Triad

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



22.6189, 21.0911, 3.4511



10.9413, 21.0911, 34.4964



29.8332, 21.0911, 53.1884

Complementary

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



22.6189, 21.0911, 3.4511



9.4454, 7.2119, 37.9396

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.



23.7478, 21.0911, 71.0187



22.6189, 21.0911, 3.4511



13.2356, 21.0911, 57.0387

Square

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



22.6189, 21.0911, 3.4511



10.7589, 21.0911, 16.5930



17.6768, 21.0911, 72.7010



33.5552, 21.0911, 30.7885

Rectangle

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



22.6189, 21.0911, 3.4511



13.7960, 21.0911, 5.4814



17.6768, 21.0911, 72.7010



27.9465, 21.0911, 60.3118

Sweetspot

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



22.6194, 21.0922, 3.4515



56.1192, 58.5728, 41.6464



17.4861, 9.2061, 6.7333



11.9836, 12.4778, 8.3551



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



22.6194, 21.0922, 3.4515



39.3900, 35.2792, 4.7335



25.8771, 34.1139, 5.7933



7.9289, 8.3378, 7.9807



16.5267, 14.9506, 2.0147



0.4466, 0.4528, 0.0639

Inverse Universe

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



9.4454, 7.2119, 37.9396



15.3118, 10.1025, 68.3680



8.1790, 3.7212, 37.3326



7.3325, 7.7020, 9.5185



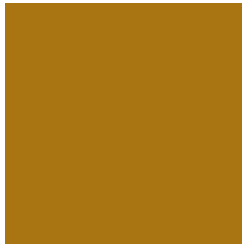
6.4901, 4.4404, 28.4905



0.2051, 0.2025, 0.7089

Previews

White Background



This preview shows how the XYZ color 22.6189, 21.0911, 3.4511 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 22.6189, 21.0911, 3.4511 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 22.6189, 21.0911, 3.4511

Background



This preview shows how black text looks on a background with the XYZ color 22.6189, 21.0911, 3.4511.



This preview shows how white text looks on a background with the XYZ color 22.6189, 21.0911,

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

22.6189, 21.0911, 3.4511

Protanopia

19.0524, 21.0725, 3.7727

Deuteranopia

21.5006, 21.0445, 3.3807



Tritanopia

25.9131, 21.1059, 19.5377

Trichromacy



Original Color

22.6189, 21.0911, 3.4511

Protanomaly

20.1581, 20.8918, 3.6319

Deuteranomaly

22.0002, 21.1236, 3.4079

Tritanomaly

24.0740, 20.8403, 10.5383

Monochromacy



Original Color

22.6189, 21.0911, 3.4511

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.7979, 19.4763, 11.1561

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6189, 21.0911, 3.4511 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(168, 117, 18)` looks like.

```
.text, #text, p{  
    color:rgb(168, 117, 18)  
}
```

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(168, 117, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 117, 18) }
```

Border

The CSS property to change the border of an element to XYZ 22.6189, 21.0911, 3.4511 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(168, 117, 18) }
```


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

```
.border{ border-color:rgb(168, 117, 18) }
```

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

Here you see how a box with a 4 pixel rgb(168, 117, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 117, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 117, 18);  
box-shadow:4px 4px 4px 4px rgb(168, 117,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6189, 21.0911, 3.4511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 117, 18) }
```

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

```
.background{ background-color: rgb(168,  
117, 18) }
```

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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