

Converting Colors

XYZ(22.5826, 21.9853, 6.6043)

Have a look what the booklet for
XYZ(22.5826, 21.9853, 6.6043)
contains.

XYZ(22.5257, 21.8668, 6.5235)	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(22.5257, 21.8668,
6.5235)**

Conversions

Conversions Part 1

Format	Color
Hex	A27A36
RGB	162, 122, 54
RGB Percent	64%, 48%, 21%
CMY	0.3647, 0.5216, 0.7882
CMYK	0.00, 0.25, 0.67, 0.36
HSL	38°, 50%, 42%
HSV	38°, 67%, 64%
XYZ	22.5257, 21.8668, 6.5235
YIQ	126.2080, 45.6680, -12.6680

Conversions

Conversions Part 2

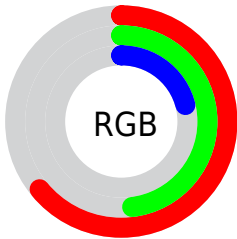
Format	Color
R _Y B	118, 162, 54
Decimal	10648118
CIE Lab	53.89, 8.19, 42.23
CIE LCh	54, 43.020, 79.024
Yxy	21.8668, 0.4424, 0.4295
Android (android.graphics.Color)	4288838198 (0xFFA27A36)
YUV	126.2080, -35.5985, 31.3896
Hunter-Lab	46.7620, 4.1518, 24.4621

Details

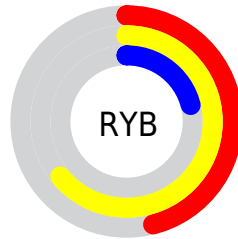
The XYZ color **22.5257, 21.8668, 6.5235** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.0454, 11.3978, 35.7474**, and the grayscale version is **20.0091, 21.0511, 22.9247**.

A 20% lighter version of the original color is **47.1499, 46.4872, 19.5846**, and **8.5231, 8.0277, 1.1577** is the 20% darker color. If you saturate the color by 10%, you get **21.4929, 20.3120, 4.6048**, and if you desaturate by 10%, it is **23.7318, 23.5655, 9.1256**.

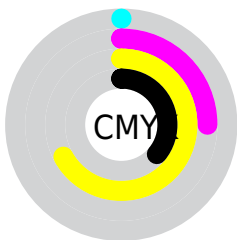
Distribution



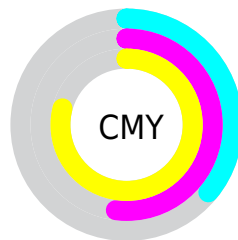
- Red (64%)
- Green (48%)
- Blue (21%)



- Red (46%)
- Yellow (64%)
- Blue (21%)



- Cyan (0%)
- Magenta (25%)
- Yellow (67%)
- Black (36%)



- Cyan (36%)
- Magenta (52%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.5257, 21.8668, 6.5235 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 22.5257, 21.8668, 6.5235 by changing the saturation by 10% instead.

■ 22.5257, 21.8668,
6.5235

■ 22.5257, 21.8668,
6.5235

257.8605,
261.8499, 173.1213

■ 14.3624, 13.7591,
3.0920

■ 47.0858, 46.5257,
19.5043

■ 8.4566, 7.9533,
1.1418

■ 64.2133, 63.8457,
29.8907

■ 4.4427, 4.0651,
0.0000

■ 85.0596, 85.0053,
43.4325

■ 1.9555, 1.7100,
0.0000

■ 109.9900,
110.3888, 60.5482

■ 0.6088, 0.4301,
0.0000

■ 139.3700,
140.3806, 81.6564

■ 0.0000, 0.0000,
0.0000

■ 173.5648,

175.3651, 107.1757

212.9399,
215.7267, 137.5244

■ 22.5257, 21.8668,
6.5235

■ 22.5257, 21.8668,
6.5235

■ 21.4929, 20.3120,
4.6048

■ 23.7318, 23.5655,
9.1256

■ 20.6178, 18.8908,
3.2987

■ 25.1217, 25.4108,
12.4699

■ 19.8808, 17.5951,
2.5035

■ 26.7069, 27.4096,
16.6104

■ 19.6522, 17.1852,
2.2813

■ 28.4973, 29.5669,
21.5954

■ 30.5020, 31.8876,
27.4696

■ 32.7295, 34.3763,
34.2744

■ 35.1880, 37.0373,
42.0485

■ 37.8849, 39.8747,
50.8286

■ 40.8275, 42.8925,
60.6493

Harmonies

Analogous

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



27.1868, 21.8668, 9.2792



22.5257, 21.8668, 6.5235



18.0142, 21.8668, 6.9221

Triad

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



22.5257, 21.8668, 6.5235



13.4509, 21.8668, 33.1268



28.2574, 21.8668, 44.7528

Complementary

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



22.5257, 21.8668, 6.5235



12.0454, 11.3978, 35.7474

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.



23.8235, 21.8668, 56.9716



22.5257, 21.8668, 6.5235



15.4744, 21.8668, 48.7189

Square

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



22.5257, 21.8668, 6.5235



13.2104, 21.8668, 19.2762



19.1340, 21.8668, 58.6449



30.8083, 21.8668, 29.0024

Rectangle

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



22.5257, 21.8668, 6.5235



15.6661, 21.8668, 8.9844



19.1340, 21.8668, 58.6449



26.9097, 21.8668, 49.6248

Sweetspot

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



22.5262, 21.8679, 6.5239



53.9761, 56.2897, 45.7140



18.3033, 11.1534, 12.1104



11.9041, 12.3892, 9.6266



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.



22.5262, 21.8679, 6.5239



38.2132, 35.5922, 7.0775



26.0537, 32.5342, 8.3968



7.4279, 7.7941, 7.4930



15.5247, 13.6233, 1.8113



0.3691, 0.3720, 0.0524

Inverse Universe

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



12.0454, 11.3978, 35.7474



17.8631, 15.3453, 64.0766



10.1283, 6.4264, 34.8889



6.9053, 7.2696, 8.9423



6.4490, 4.6775, 27.4927



0.1797, 0.1867, 0.5924

Previews

White Background



This preview shows how the XYZ color 22.5257, 21.8668, 6.5235 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 22.5257, 21.8668, 6.5235 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 22.5257, 21.8668, 6.5235

Background



This preview shows how black text looks on a background with the XYZ color 22.5257, 21.8668, 6.5235.



This preview shows how white text looks on a background with the XYZ color 22.5257, 21.8668,

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

22.5257, 21.8668, 6.5235

Protanopia

19.8918, 21.8257, 6.9057

Deuteranopia

22.2460, 21.9058, 6.5458



Tritanopia

25.6422, 21.9070, 21.6159

Trichromacy



Original Color

22.5257, 21.8668, 6.5235

Protanomaly

20.7281, 21.6816, 6.7069

Deuteranomaly

22.4468, 22.0093, 6.5552

Tritanomaly

24.2001, 21.8380, 14.4950

Monochromacy



Original Color

22.5257, 21.8668, 6.5235

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.2813, 21.0763, 15.0558

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5257, 21.8668, 6.5235 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(162, 122, 54)` looks like.

```
.text, #text, p{  
    color:rgb(162, 122, 54)  
}
```

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(162, 122, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 122, 54) }
```

Border

The CSS property to change the border of an element to XYZ 22.5257, 21.8668, 6.5235 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(162, 122, 54) }
```


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

```
.border{ border-color:rgb(162, 122, 54) }
```

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

Here you see how a box with a 4 pixel rgb(162, 122, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 122, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 122, 54);  
box-shadow:4px 4px 4px 4px rgb(162, 122,  
54) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5257, 21.8668, 6.5235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 122, 54) }
```

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

```
.background{ background-color: rgb(162,  
122, 54) }
```

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