

Converting Colors

XYZ(22.4812, 21.2786, 6.0550)

Have a look what the booklet for
XYZ(22.4812, 21.2786, 6.0550)
contains.

XYZ(22.5042, 21.3252, 6.0620)	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(22.5042, 21.3252,
6.0620)**

Conversions

Conversions Part 1

Format	Color
Hex	A47733
RGB	164, 119, 51
RGB Percent	64%, 47%, 20%
CMY	0.3569, 0.5333, 0.8000
CMYK	0.00, 0.27, 0.69, 0.36
HSL	36°, 53%, 42%
HSV	36°, 69%, 64%
XYZ	22.5042, 21.3252, 6.0620
YIQ	124.7030, 48.6480, -11.6080

Conversions

Conversions Part 2

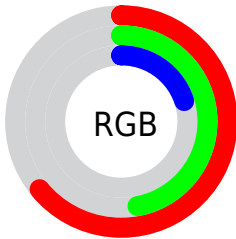
Format	Color
R _Y B	126, 164, 51
Decimal	10778419
CIE Lab	53.30, 10.60, 43.12
CIE LCh	53, 44.404, 76.189
Yxy	21.3252, 0.4511, 0.4274
Android (android.graphics.Color)	4288968499 (0xFFA47733)
YUV	124.7030, -36.3356, 34.4635
Hunter-Lab	46.1792, 6.1736, 24.5424

Details

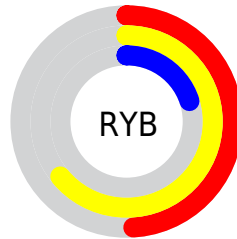
The XYZ color **22.5042, 21.3252, 6.0620** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.2487, 11.7493, 36.7440**, and the grayscale version is **19.5004, 20.5159, 22.3419**.

A 20% lighter version of the original color is **47.0361, 45.5950, 18.6336**, and **8.4376, 7.6946, 1.0405** is the 20% darker color. If you saturate the color by 10%, you get **21.4539, 19.7048, 4.2319**, and if you desaturate by 10%, it is **23.7365, 23.1056, 8.5824**.

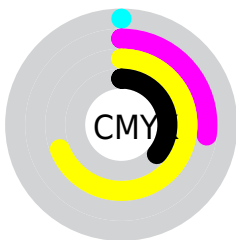
Distribution



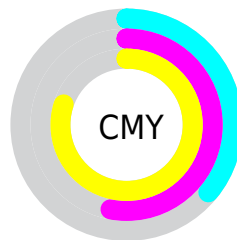
- Red (64%)
- Green (47%)
- Blue (20%)



- Red (49%)
- Yellow (64%)
- Blue (20%)



- Cyan (0%)
- Magenta (27%)
- Yellow (69%)
- Black (36%)



- Cyan (36%)
- Magenta (53%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.5042, 21.3252, 6.0620 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 22.5042, 21.3252, 6.0620 by changing the saturation by 10% instead.

■ 22.5042, 21.3252,
6.0620

■ 22.5042, 21.3252,
6.0620

257.7513,
259.0017, 168.9485

■ 14.3465, 13.3619,
2.8134

■ 47.0506, 45.6281,
18.5393

■ 8.4454, 7.6782,
1.0002

■ 64.1700, 62.7366,
28.6052

■ 4.4354, 3.8898,
0.0000

■ 85.0074, 83.6622,
41.7805

■ 1.9513, 1.6121,
0.0000

■ 109.9281,
108.7894, 58.4839

■ 0.6064, 0.3657,
0.0000

■ 139.2975,
138.5025, 79.1338

■ 0.0000, 0.0000,
0.0000

■ 173.4810,

173.1860, 104.1489

212.8438,
213.2243, 133.9476

■ 22.5042, 21.3252,
6.0620

■ 22.5042, 21.3252,
6.0620

■ 21.4539, 19.7048,
4.2319

■ 23.7365, 23.1056,
8.5824

■ 20.5688, 18.2333,
3.0162

■ 25.1623, 25.0497,
11.8557

■ 19.8207, 16.8987,
2.2688

■ 26.7939, 27.1648,
15.9389

■ 19.7429, 16.7587,
2.1942

■ 28.6419, 29.4568,
20.8832

■ 30.7160, 31.9310,
26.7352

■ 33.0254, 34.5927,
33.5385

■ 35.5786, 37.4466,
41.3336

■ 38.3837, 40.4975,
50.1588

■ 41.4484, 43.7498,
60.0503

Harmonies

Analogous

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



27.1924, 21.3252, 9.1010



22.5042, 21.3252, 6.0620



17.8519, 21.3252, 6.1763

Triad

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



22.5042, 21.3252, 6.0620



12.7688, 21.3252, 31.2103



27.5162, 21.3252, 46.1459

Complementary

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



22.5042, 21.3252, 6.0620



12.2487, 11.7493, 36.7440

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.



22.8949, 21.3252, 58.0068



22.5042, 21.3252, 6.0620



14.6334, 21.3252, 47.3569

Square

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



22.5042, 21.3252, 6.0620



12.6976, 21.3252, 17.5719



18.1869, 21.3252, 58.5201



30.3743, 21.3252, 29.9636

Rectangle

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



22.5042, 21.3252, 6.0620



15.3868, 21.3252, 7.9669



18.1869, 21.3252, 58.5201



26.0880, 21.3252, 51.0042

Sweetspot

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



22.5047, 21.3263, 6.0624



54.7770, 56.8092, 45.7217



18.6142, 11.1085, 12.2779



11.7584, 12.1620, 9.3803



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.



22.5047, 21.3263, 6.0624



37.9985, 34.2236, 6.3055



26.9532, 33.5329, 8.1841



7.4116, 7.7616, 7.4876



15.1854, 12.9448, 1.6982



0.3634, 0.3606, 0.0505

Inverse Universe

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



12.2487, 11.7493, 36.7440



18.1845, 15.8064, 65.8448



9.8903, 6.0820, 35.7744



6.9211, 7.3012, 8.9476



6.6447, 5.0689, 27.5580



0.1851, 0.1975, 0.5942

Previews

White Background



This preview shows how the XYZ color 22.5042, 21.3252, 6.0620 looks on a white background.

Color Contrast Check

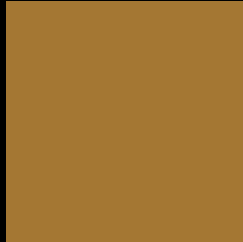
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.5042, 21.3252, 6.0620 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 22.5042, 21.3252, 6.0620

Background



This preview shows how black text looks on a background with the XYZ color 22.5042, 21.3252, 6.0620.



This preview shows how white text looks on a background with the XYZ color 22.5042, 21.3252,

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

22.5042, 21.3252, 6.0620

Protanopia

19.5404, 21.4555, 6.6015

Deuteranopia

21.7112, 21.2760, 5.9800



Tritanopia

25.5465, 21.3794, 20.5495

Trichromacy



Original Color

22.5042, 21.3252, 6.0620

Protanomaly

20.5539, 21.4083, 6.4171

Deuteranomaly

21.9901, 21.2403, 5.9584

Tritanomaly

24.1326, 21.3032, 13.6665

Monochromacy



Original Color

22.5042, 21.3252, 6.0620

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.9350, 20.5367, 14.4686

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5042, 21.3252, 6.0620 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, 119, 51)` looks like.

```
.text, #text, p{  
    color:rgb(164, 119, 51)  
}
```

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, 119, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 119, 51) }
```

Border

The CSS property to change the border of an element to XYZ 22.5042, 21.3252, 6.0620 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, 119, 51) }
```


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

```
.border{ border-color:rgb(164, 119, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 119, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 119, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 119, 51);  
box-shadow:4px 4px 4px 4px rgb(164, 119,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5042, 21.3252, 6.0620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 119, 51) }
```

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

```
.background{ background-color: rgb(164,  
119, 51) }
```

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