

Converting Colors

XYZ(21.5079, 20.6435, 6.6150)

Have a look what the booklet for
XYZ(21.5079, 20.6435, 6.6150)
contains.

XYZ(21.4903, 20.6133, 6.5875)	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(21.4903, 20.6133,
6.5875)**

Conversions

Conversions Part 1

Format	Color
Hex	9F7638
RGB	159, 118, 56
RGB Percent	62%, 46%, 22%
CMY	0.3765, 0.5372, 0.7804
CMYK	0.00, 0.26, 0.65, 0.38
HSL	36°, 48%, 42%
HSV	36°, 65%, 62%
XYZ	21.4903, 20.6133, 6.5875
YIQ	123.1910, 44.3380, -10.5900

Conversions

Conversions Part 2

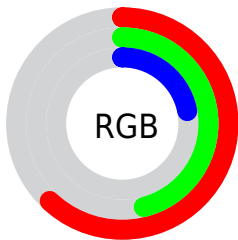
Format	Color
R_{YB}	124, 159, 56
Decimal	10450488
CIE _{Lab}	52.52, 9.25, 39.63
CIE _{LCh}	53, 40.694, 76.868
Yxy	20.6133, 0.4414, 0.4233
Android (android.graphics.Color)	4288640568 (0xFF9F7638)
YUV	123.1910, -33.1252, 31.4045
Hunter-Lab	45.4019, 5.0370, 23.1787

Details

The XYZ color **21.4903, 20.6133, 6.5875** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.1634, 11.8928, 34.4551**, and the grayscale version is **18.9860, 19.9748, 21.7525**.

A 20% lighter version of the original color is **45.2434, 44.3683, 19.5440**, and **7.9320, 7.3365, 1.1703** is the 20% darker color. If you saturate the color by 10%, you get **20.4412, 19.0417, 4.6146**, and if you desaturate by 10%, it is **22.7139, 22.3364, 9.2283**.

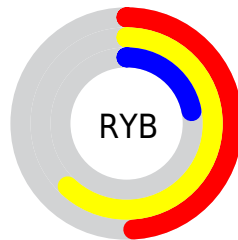
Distribution



Red (62%)

Green (46%)

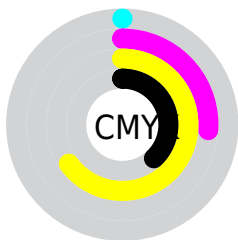
Blue (22%)



Red (49%)

Yellow (62%)

Blue (22%)

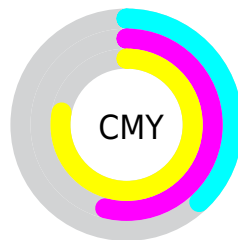


Cyan (0%)

Magenta (26%)

Yellow (65%)

Black (38%)



Cyan (38%)


Magenta (54%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.4903, 20.6133, 6.5875 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 21.4903, 20.6133, 6.5875 by changing the saturation by 10% instead.


 21.4903, 20.6133,
6.5875


 21.4903, 20.6133,
6.5875


252.5555,
255.2162, 173.6895


 13.5974, 12.8416,
3.1310


 45.3873, 44.4431,
19.6370


 7.9210, 7.3196,
1.1619


 62.1220, 61.2700,
30.0670


 4.0958, 3.6628,
0.0000

 82.5347, 81.8840,
43.6586

 1.7565, 1.4868,
0.0000

 106.9908,
106.6697, 60.8304

 0.4912, 0.2794,
0.0000

 135.8556,
136.0114, 82.0008

 0.0000, 0.0000,
0.0000

 169.4943,

170.2934, 107.5884

208.2725,
209.9002, 138.0118

■ 21.4903, 20.6133,
6.5875

■ 21.4903, 20.6133,
6.5875

■ 20.4412, 19.0417,
4.6146

■ 22.7139, 22.3364,
9.2283

■ 19.5520, 17.6117,
3.2441

■ 24.1221, 24.2140,
12.5919

■ 18.8071, 16.3163,
2.3965

■ 25.7258, 26.2527,
16.7288

■ 18.4548, 15.6846,
2.0548

■ 27.5343, 28.4579,
21.6846

■ 29.5567, 30.8345,
27.5011

■ 31.8009, 33.3870,
34.2177

■ 34.2749, 36.1199,
41.8709

■ 36.9859, 39.0375,
50.4954

■ 39.9409, 42.1439,
60.1241

Harmonies

Analogous

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



25.6667, 20.6133, 9.4170



21.4903, 20.6133, 6.5875



17.3352, 20.6133, 6.7619

Triad

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



21.4903, 20.6133, 6.5875



12.8195, 20.6133, 29.8693



26.1163, 20.6133, 42.3274

Complementary

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



21.4903, 20.6133, 6.5875



12.1634, 11.8928, 34.4551

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.



22.0374, 20.6133, 52.7584



21.4903, 20.6133, 6.5875



14.5610, 20.6133, 43.9808

Square

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



21.4903, 20.6133, 6.5875



12.7168, 20.6133, 17.5769



17.8095, 20.6133, 53.4534



28.5841, 20.6133, 28.1365

Rectangle

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



21.4903, 20.6133, 6.5875



15.1242, 20.6133, 8.5333



17.8095, 20.6133, 53.4534



24.8637, 20.6133, 46.5810

Sweetspot

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



21.4908, 20.6143, 6.5879



51.2254, 53.2330, 44.2826



17.8793, 11.0662, 12.5521



11.3299, 11.7434, 9.3569



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



21.4908, 20.6143, 6.5879



35.8252, 32.8664, 6.9830



25.4516, 31.4430, 8.4693



6.9484, 7.2768, 7.0240



14.6179, 12.4714, 1.6368



0.3019, 0.3040, 0.0428

Inverse Universe

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



12.1634, 11.8928, 34.4551



17.8384, 16.1093, 60.9127



9.9394, 6.5005, 33.5315



6.4906, 6.8469, 8.3862



6.3979, 4.8873, 26.5134



0.1545, 0.1675, 0.4874

Previews

White Background



This preview shows how the XYZ color 21.4903, 20.6133, 6.5875 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 21.4903, 20.6133, 6.5875 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 21.4903, 20.6133, 6.5875

Background



This preview shows how black text looks on a background with the XYZ color 21.4903, 20.6133, 6.5875.



This preview shows how white text looks on a background with the XYZ color 21.4903, 20.6133,

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

21.4903, 20.6133, 6.5875

Protanopia

18.8720, 20.7162, 7.0069

Deuteranopia

21.1406, 20.7864, 6.6393



Tritanopia

24.3844, 20.6175, 20.4637

Trichromacy



Original Color

21.4903, 20.6133, 6.5875

Protanomaly

19.6755, 20.5723, 6.8047

Deuteranomaly

21.2153, 20.6473, 6.6085

Tritanomaly

23.0753, 20.5791, 14.0652

Monochromacy



Original Color

21.4903, 20.6133, 6.5875

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.2428, 19.8098, 14.6139

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4903, 20.6133, 6.5875 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(159, 118, 56)` looks like.

```
.text, #text, p{  
    color:rgb(159, 118, 56)  
}
```

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(159, 118, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 118, 56) }
```

Border

The CSS property to change the border of an element to XYZ 21.4903, 20.6133, 6.5875 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(159, 118, 56) }
```


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

```
.border{ border-color:rgb(159, 118, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 118, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 118, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 118, 56);  
box-shadow:4px 4px 4px 4px rgb(159, 118,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4903, 20.6133, 6.5875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 118, 56) }
```

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

```
.background{ background-color: rgb(159,  
118, 56) }
```

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