

Converting Colors

XYZ(23.5504, 20.9880, 6.6807)

Have a look what the booklet for
XYZ(23.5504, 20.9880, 6.6807)
contains.

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Color

**XYZ(23.5504, 20.9880,
6.6807)**

Conversions

Conversions Part 1

Format	Color
Hex	AB7239
RGB	171, 114, 57
RGB Percent	67%, 45%, 22%
CMY	0.3294, 0.5529, 0.7765
CMYK	0.00, 0.33, 0.67, 0.33
HSL	30°, 50%, 45%
HSV	30°, 67%, 67%
XYZ	23.5504, 20.9880, 6.6807
YIQ	124.5450, 52.2690, -5.6430

Conversions

Conversions Part 2

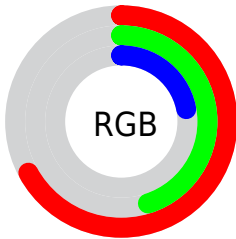
Format	Color
R_{YB}	171, 171, 57
Decimal	11235897
CIE _{Lab}	52.94, 16.90, 39.97
CIE _{LCh}	53, 43.400, 67.077
Yxy	20.9880, 0.4598, 0.4098
Android (android.graphics.Color)	4289425977 (0xFFAB7239)
YUV	124.5450, -33.2997, 40.7410
Hunter-Lab	45.8127, 11.5873, 23.4228

Details

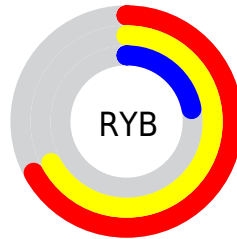
The XYZ color **23.5504, 20.9880, 6.6807** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **15.0549, 15.8438, 40.7924**, and the grayscale version is **19.4366, 20.4488, 22.2687**.

A 20% lighter version of the original color is **48.8709, 45.1360, 19.7720**, and **9.0623, 7.5588, 1.2111** is the 20% darker color. If you saturate the color by 10%, you get **22.2739, 19.0067, 4.4934**, and if you desaturate by 10%, it is **25.0617, 23.2092, 9.6554**.

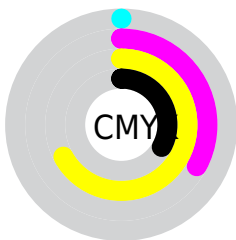
Distribution



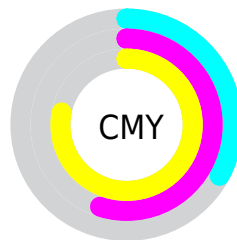
- Red (67%)
- Green (45%)
- Blue (22%)



- Red (67%)
- Yellow (67%)
- Blue (22%)



- Cyan (0%)
- Magenta (33%)
- Yellow (67%)
- Black (33%)





- Cyan (33%)
- Magenta (55%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.5504, 20.9880, 6.6807 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 23.5504, 20.9880, 6.6807 by changing the saturation by 10% instead.


 23.5504, 20.9880,
6.6807


 23.5504, 20.9880,
6.6807


263.0224,
257.2147, 174.5126


 15.1234, 13.1152,
3.1878


 48.7556, 45.0676,
19.8297


 8.9929, 7.5079,
1.1913


 66.2644, 62.0431,
30.3230

 4.7936, 3.7817,
0.0000

 87.5312, 82.8218,
43.9868

 2.1602, 1.5522,
0.0000

 112.9213,
107.7879, 61.2396

 0.7216, 0.3251,
0.0000

 142.8002,
137.3258, 82.5001

 0.0000, 0.0000,
0.0000

 177.5331,

171.8200, 108.1867

217.4853,
211.6549, 138.7180

■ 23.5504, 20.9880,
6.6807

■ 23.5504, 20.9880,
6.6807

■ 22.2739, 19.0067,
4.4934

■ 25.0617, 23.2092,
9.6554

■ 21.2132, 17.2511,
3.0119

■ 26.8217, 25.6771,
13.4856

■ 20.3448, 15.7086,
2.1235

■ 28.8447, 28.4019,
18.2334

■ 20.0830, 15.2349,
1.8821

■ 31.1434, 31.3921,
23.9545

■ 33.7296, 34.6558,
30.7004

■ 36.6142, 38.2008,
38.5187

■ 39.8075, 42.0344,
47.4542

■ 43.3195, 46.1636,
57.5490

■ 47.1594, 50.5951,
68.8431

Harmonies

Analogous

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



27.7665, 20.9880, 10.8387



23.5504, 20.9880, 6.6807



18.8908, 20.9880, 5.9244

Triad

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



23.5504, 20.9880, 6.6807



12.4706, 20.9880, 26.0774



25.6960, 20.9880, 49.2083

Complementary

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



23.5504, 20.9880, 6.6807



15.0549, 15.8438, 40.7924

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.



21.0449, 20.9880, 57.7848



23.5504, 20.9880, 6.6807



13.7558, 20.9880, 41.5110

Square

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



23.5504, 20.9880, 6.6807



12.9322, 20.9880, 14.4229



16.7339, 20.9880, 54.5325



29.1308, 20.9880, 34.0553

Rectangle

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



23.5504, 20.9880, 6.6807



16.2284, 20.9880, 7.0242



16.7339, 20.9880, 54.5325



24.1976, 20.9880, 53.1746

Sweetspot

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



23.5509, 20.9891, 6.6811



58.6392, 59.8538, 50.3086



21.2949, 12.7992, 17.2678



12.7951, 12.9920, 10.4844



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.



23.5509, 20.9891, 6.6811



38.9435, 32.4978, 6.6397



32.0958, 38.0788, 9.5294



8.3237, 8.6522, 8.4447



15.1924, 11.5904, 1.4364



0.4774, 0.4320, 0.0582

Inverse Universe

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



15.0549, 15.8438, 40.7924



22.6210, 22.6127, 72.1743



10.5012, 6.7365, 39.2746



7.8973, 8.3939, 10.1567



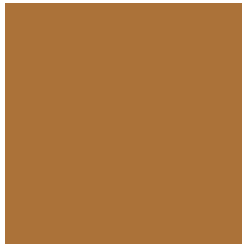
8.0723, 7.2784, 30.0239



0.2793, 0.3120, 0.8535

Previews

White Background



This preview shows how the XYZ color 23.5504, 20.9880, 6.6807 looks on a white background.

Color Contrast Check

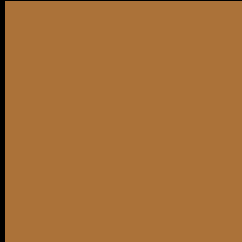
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5504, 20.9880, 6.6807 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

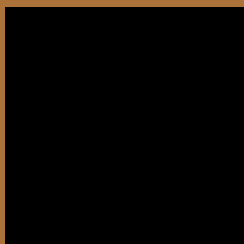
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.5504, 20.9880, 6.6807

Background



This preview shows how black text looks on a background with the XYZ color 23.5504, 20.9880, 6.6807.



This preview shows how white text looks on a background with the XYZ color 23.5504, 20.9880,

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

23.5504, 20.9880, 6.6807

Protanopia

19.2469, 21.0911, 7.4715

Deuteranopia

21.4316, 21.1187, 6.5612



Tritanopia

26.1941, 21.1000, 19.2151

Trichromacy



Original Color

23.5504, 20.9880, 6.6807

Protanomaly

20.5376, 20.8246, 7.2121

Deuteranomaly

22.0925, 20.9238, 6.6157

Tritanomaly

25.0970, 20.9768, 13.5526

Monochromacy



Original Color

23.5504, 20.9880, 6.6807

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

20.2930, 20.3456, 14.9141

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5504, 20.9880, 6.6807 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, 114, 57)` looks like.

```
.text, #text, p{  
    color:rgb(171, 114, 57)  
}
```

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, 114, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 114, 57) }
```

Border

The CSS property to change the border of an element to XYZ 23.5504, 20.9880, 6.6807 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, 114, 57) }
```


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

```
.border{ border-color:rgb(171, 114, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 114, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 114, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 114, 57);  
box-shadow:4px 4px 4px 4px rgb(171, 114,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5504, 20.9880, 6.6807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 114, 57) }
```

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

```
.background{ background-color: rgb(171,  
114, 57) }
```

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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