

Converting Colors

XYZ(23.6783, 22.6207, 7.6757)

Have a look what the booklet for
XYZ(23.6783, 22.6207, 7.6757)
contains.

XYZ(23.6783, 22.6207, 7.6757)	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(23.6783, 22.6207,
7.6757)**

Conversions

Conversions Part 1

Format	Color
Hex	A67B3E
RGB	166, 123, 62
RGB Percent	65%, 48%, 24%
CMY	0.3490, 0.5176, 0.7569
CMYK	0.00, 0.26, 0.63, 0.35
HSL	35°, 46%, 45%
HSV	35°, 63%, 65%
XYZ	23.6783, 22.6207, 7.6757
YIQ	128.9030, 45.2090, -9.8550

Conversions

Conversions Part 2

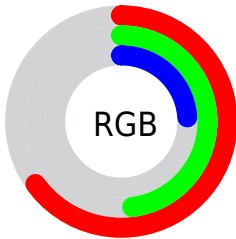
Format	Color
R_{YB}	135, 166, 62
Decimal	10910526
CIE _{Lab}	54.68, 9.96, 39.24
CIE _{LCh}	55, 40.485, 75.761
Yxy	22.6207, 0.4387, 0.4191
Android (android.graphics.Color)	4289100606 (0xFFA67B3E)
YUV	128.9030, -32.9832, 32.5341
Hunter-Lab	47.5612, 5.6339, 23.7243

Details

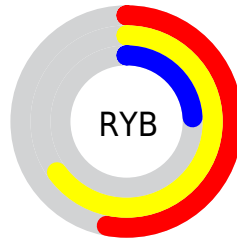
The XYZ color **23.6783, 22.6207, 7.6757** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **13.9208, 13.8798, 38.0214**, and the grayscale version is **20.9335, 22.0237, 23.9838**.

A 20% lighter version of the original color is **48.9951, 47.6771, 21.9495**, and **9.0770, 8.3061, 1.5056** is the 20% darker color. If you saturate the color by 10%, you get **22.4689, 20.8230, 5.3584**, and if you desaturate by 10%, it is **25.0876, 24.5957, 10.7466**.

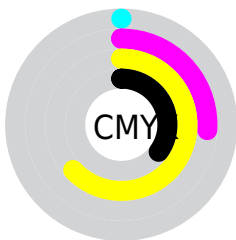
Distribution



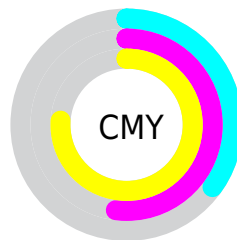
- Red (65%)
- Green (48%)
- Blue (24%)



- Red (53%)
- Yellow (65%)
- Blue (24%)



- Cyan (0%)
- Magenta (26%)
- Yellow (63%)
- Black (35%)



- Cyan (35%)
- Magenta (52%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6783, 22.6207, 7.6757 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 23.6783, 22.6207, 7.6757 by changing the saturation by 10% instead.

■ 23.6783, 22.6207,
7.6757

■ 23.6783, 22.6207,
7.6757

263.6608,
265.7708, 183.0043

■ 15.2186, 14.3137,
3.8034

■ 48.9632, 47.7698,
21.8558

■ 9.0603, 8.3392,
1.5181

■ 66.5192, 65.3806,
33.0006

■ 4.8379, 4.3127,
0.2314

■ 87.8379, 86.8615,
47.4066

■ 2.1863, 1.8500,
0.0000

■ 113.2848,
112.5969, 65.4925

■ 0.7355, 0.5180,
0.0000

■ 143.2251,
142.9711, 87.6766

■ 0.0000, 0.0000,
0.0000

■ 178.0243,

178.3685, 114.3776

218.0478,
219.1737, 146.0140

■ 23.6783, 22.6207,
7.6757

■ 23.6783, 22.6207,
7.6757

■ 22.4689, 20.8230,
5.3584

■ 25.0876, 24.5957,
10.7466

■ 21.4435, 19.1916,
3.7238

■ 26.7078, 26.7515,
14.6305

■ 20.5857, 17.7188,
2.6894

■ 28.5510, 29.0958,
19.3827

■ 20.0349, 16.7252,
2.1723

■ 30.6277, 31.6344,
25.0528

■ 32.9476, 34.3731,
31.6869

■ 35.5199, 37.3172,
39.3278

■ 38.3531, 40.4718,
48.0160

■ 41.4555, 43.8417,
57.7895

■ 44.8348, 47.4317,
68.6843

Harmonies

Analogous

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



28.0518, 22.6207, 10.8968



23.6783, 22.6207, 7.6757



19.2551, 22.6207, 7.7535

Triad

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



23.6783, 22.6207, 7.6757



14.2611, 22.6207, 31.9178



28.2445, 22.6207, 46.0325

Complementary

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



23.6783, 22.6207, 7.6757



13.9208, 13.8798, 38.0214

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.



23.9136, 22.6207, 56.6144



23.6783, 22.6207, 7.6757



16.0576, 22.6207, 46.7355

Square

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



23.6783, 22.6207, 7.6757



14.2163, 22.6207, 19.0720



19.4601, 22.6207, 56.9088



30.9246, 22.6207, 31.1751

Rectangle

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



23.6783, 22.6207, 7.6757



16.8700, 22.6207, 9.5977



19.4601, 22.6207, 56.9088



26.9086, 22.6207, 50.4029

Sweetspot

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



23.6788, 22.6218, 7.6761



56.9252, 59.0119, 49.2404



20.0155, 12.5792, 14.8279



12.4872, 12.9056, 10.3091



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.



23.6788, 22.6218, 7.6761



40.0449, 36.6488, 8.4765



28.4753, 34.8216, 9.7781



7.8830, 8.2460, 7.9654



15.5831, 13.0634, 1.7002



0.4278, 0.4151, 0.0576

Inverse Universe

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



13.9208, 13.8798, 38.0214



20.9087, 19.5570, 68.1481



11.1799, 7.5257, 36.9394



7.3770, 7.7910, 9.5333



7.0139, 5.4879, 28.6651



0.2214, 0.2350, 0.7143

Previews

White Background



This preview shows how the XYZ color 23.6783, 22.6207, 7.6757 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 23.6783, 22.6207, 7.6757 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

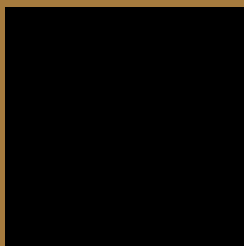
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.6783, 22.6207, 7.6757

Background



This preview shows how black text looks on a background with the XYZ color 23.6783, 22.6207, 7.6757.



This preview shows how white text looks on a background with the XYZ color 23.6783, 22.6207,

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

23.6783, 22.6207, 7.6757

Protanopia

20.7475, 22.6340, 8.2763

Deuteranopia

23.1034, 22.6964, 7.7206



Tritanopia

26.7416, 22.6294, 22.3605

Trichromacy



Original Color

23.6783, 22.6207, 7.6757

Protanomaly

21.7815, 22.5808, 8.0610

Deuteranomaly

23.1814, 22.5496, 7.6881

Tritanomaly

25.3573, 22.5880, 15.5938

Monochromacy



Original Color

23.6783, 22.6207, 7.6757

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.2945, 21.9494, 16.4789

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6783, 22.6207, 7.6757 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(166, 123, 62)` looks like.

```
.text, #text, p{  
    color:rgb(166, 123, 62)  
}
```

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(166, 123, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 123, 62) }
```

Border

The CSS property to change the border of an element to XYZ 23.6783, 22.6207, 7.6757 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(166, 123, 62) }
```


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

```
.border{ border-color:rgb(166, 123, 62) }
```

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

Here you see how a box with a 4 pixel rgb(166, 123, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 123, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 123, 62);  
box-shadow:4px 4px 4px 4px rgb(166, 123,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6783, 22.6207, 7.6757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 123, 62) }
```

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

```
.background{ background-color: rgb(166,  
123, 62) }
```

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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