

Converting Colors

XYZ(23.7691, 21.1007, 6.6910)

Have a look what the booklet for
XYZ(23.7691, 21.1007, 6.6910)
contains.

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Color

**XYZ(23.7691, 21.1007,
6.6910)**

Conversions

Conversions Part 1

Format	Color
Hex	AC7239
RGB	172, 114, 57
RGB Percent	67%, 45%, 22%
CMY	0.3255, 0.5529, 0.7765
CMYK	0.00, 0.34, 0.67, 0.33
HSL	30°, 50%, 45%
HSV	30°, 67%, 67%
XYZ	23.7691, 21.1007, 6.6910
YIQ	124.8440, 52.8650, -5.4310

Conversions

Conversions Part 2

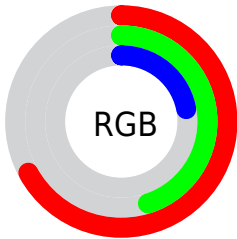
Format	Color
R_{YB}	172, 170, 57
Decimal	11301433
CIE _{Lab}	53.06, 17.34, 40.14
CIE _{LCh}	53, 43.730, 66.636
Yxy	21.1007, 0.4610, 0.4092
Android (android.graphics.Color)	4289491513 (0xFFAC7239)
YUV	124.8440, -33.4471, 41.3558
Hunter-Lab	45.9355, 11.9768, 23.5186

Details

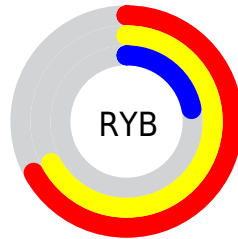
The XYZ color **23.7691, 21.1007, 6.6910** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **15.2641, 16.1091, 41.3344**, and the grayscale version is **19.5375, 20.5550, 22.3844**.

A 20% lighter version of the original color is **49.1927, 45.3020, 19.7871**, and **9.0568, 7.5566, 1.1822** is the 20% darker color. If you saturate the color by 10%, you get **22.4781, 19.0931, 4.4905**, and if you desaturate by 10%, it is **25.2992, 23.3542, 9.6887**.

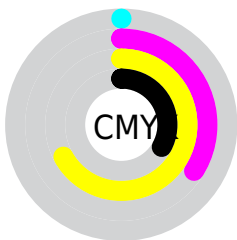
Distribution



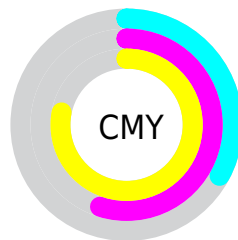
- Red (67%)
- Green (45%)
- Blue (22%)



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



- Cyan (0%)
- Magenta (34%)
- Yellow (67%)
- Black (33%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.7691, 21.1007, 6.6910 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 23.7691, 21.1007, 6.6910 by changing the saturation by 10% instead.


 23.7691, 21.1007,
6.6910


 23.7691, 21.1007,
6.6910


264.1132,
257.8132, 174.6032


 15.2862, 13.1976,
3.1941


 49.1106, 45.2551,
19.8510


 9.1081, 7.5648,
1.1946


 66.6999, 62.2752,
30.3512

 4.8695, 3.8177,
0.0000

 88.0554, 83.1030,
44.0229

 2.2048, 1.5721,
0.0000

 113.5424,
108.1231, 61.2847

 0.7453, 0.3387,
0.0000

 143.5264,
137.7198, 82.5551

 0.0000, 0.0000,
0.0000

 178.3726,

172.2774, 108.2526

218.4464,
212.1804, 138.7958

■ 23.7691, 21.1007,
6.6910

■ 23.7691, 21.1007,
6.6910

■ 22.4781, 19.0931,
4.4905

■ 25.2992, 23.3542,
9.6887

■ 21.4069, 17.3170,
3.0041

■ 27.0827, 25.8605,
13.5528

■ 20.5310, 15.7590,
2.1148

■ 29.1342, 28.6303,
18.3465

■ 20.2820, 15.3083,
1.8858

■ 31.4665, 31.6724,
24.1266

■ 34.0918, 34.9951,
30.9452

■ 37.0212, 38.6062,
38.8508

■ 40.2653, 42.5135,
47.8889

■ 43.8342, 46.7241,
58.1022

■ 47.7373, 51.2450,
69.5314

Harmonies

Analogous

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



28.0174, 21.1007, 10.9381



23.7691, 21.1007, 6.6910



19.0514, 21.1007, 5.8880

Triad

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



23.7691, 21.1007, 6.6910



12.4947, 21.1007, 26.0262



25.8059, 21.1007, 49.8631

Complementary

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



23.7691, 21.1007, 6.6910



15.2641, 16.1091, 41.3344

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.



21.0944, 21.1007, 58.4083



23.7691, 21.1007, 6.6910



13.7660, 21.1007, 41.6332

Square

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



23.7691, 21.1007, 6.6910



12.9865, 21.1007, 14.3273



16.7505, 21.1007, 54.9292



29.3133, 21.1007, 34.5473

Rectangle

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



23.7691, 21.1007, 6.6910



16.3482, 21.1007, 6.9630



16.7505, 21.1007, 54.9292



24.2850, 21.1007, 53.8443

Sweetspot

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



23.7696, 21.1018, 6.6914



60.1198, 61.3186, 51.5911



21.6531, 12.9677, 18.0123



12.7840, 12.9699, 10.4807



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.



23.7696, 21.1018, 6.6914



39.8425, 33.1130, 6.7620



32.1420, 37.8466, 9.4822



8.3208, 8.6464, 8.4437



15.1481, 11.5017, 1.4217



0.4762, 0.4296, 0.0578

Inverse Universe

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



15.2641, 16.1091, 41.3344



23.3076, 23.4024, 74.0944



10.6936, 6.9680, 39.8108



7.9001, 8.3996, 10.1576



8.1171, 7.3680, 30.0389



0.2805, 0.3144, 0.8539

Previews

White Background



This preview shows how the XYZ color 23.7691, 21.1007, 6.6910 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 23.7691, 21.1007, 6.6910 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

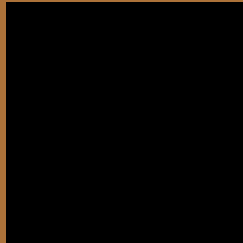
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.7691, 21.1007, 6.6910

Background



This preview shows how black text looks on a background with the XYZ color 23.7691, 21.1007, 6.6910.



This preview shows how white text looks on a background with the XYZ color 23.7691, 21.1007,

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

23.7691, 21.1007, 6.6910

Protanopia

19.4162, 21.1784, 7.4794

Deuteranopia

21.6275, 21.2197, 6.5703



Tritanopia

26.4194, 21.2162, 19.2257

Trichromacy



Original Color

23.7691, 21.1007, 6.6910

Protanomaly

20.7240, 20.9207, 7.2208

Deuteranomaly

22.2965, 21.0289, 6.6252

Tritanomaly

25.3207, 21.0920, 13.5631

Monochromacy



Original Color

23.7691, 21.1007, 6.6910

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 23.7691, 21.1007, 6.6910 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(172, 114, 57)` looks like.

```
.text, #text, p{  
    color:rgb(172, 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(172, 114, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 114, 57) }
```

Border

The CSS property to change the border of an element to XYZ 23.7691, 21.1007, 6.6910 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(172, 114, 57) }
```


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

```
.border{ border-color:rgb(172, 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(172, 114, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 114, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 114, 57);  
box-shadow:4px 4px 4px 4px rgb(172, 114,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7691, 21.1007, 6.6910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 114, 57) }
```

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

```
.background{ background-color: rgb(172,  
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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