

Converting Colors

XYZ(23.4776, 21.2747, 7.4264)

Have a look what the booklet for
XYZ(23.4776, 21.2747, 7.4264)
contains.

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Color

**XYZ(23.4771, 21.2736,
7.4263)**

Conversions

Conversions Part 1

Format	Color
Hex	A9743E
RGB	169, 116, 62
RGB Percent	66%, 45%, 24%
CMY	0.3373, 0.5451, 0.7569
CMYK	0.00, 0.31, 0.63, 0.34
HSL	30°, 46%, 45%
HSV	30°, 63%, 66%
XYZ	23.4771, 21.2736, 7.4263
YIQ	125.6910, 48.9220, -5.5580

Conversions

Conversions Part 2

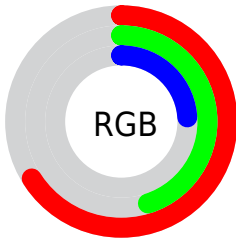
Format	Color
R_{YB}	167, 169, 62
Decimal	11105342
CIE _{Lab}	53.25, 15.24, 37.68
CIE _{LCh}	53, 40.642, 67.982
Yxy	21.2736, 0.4500, 0.4077
Android (android.graphics.Color)	4289295422 (0xFFA9743E)
YUV	125.6910, -31.3997, 37.9820
Hunter-Lab	46.1233, 10.1420, 22.7401

Details

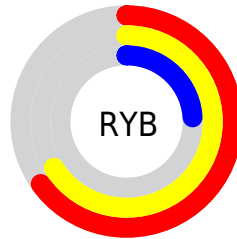
The XYZ color **23.4771, 21.2736, 7.4263** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **15.2785, 16.1495, 39.8479**, and the grayscale version is **19.8183, 20.8504, 22.7061**.

A 20% lighter version of the original color is **48.5504, 45.4839, 21.2593**, and **8.9564, 7.6767, 1.4252** is the 20% darker color. If you saturate the color by 10%, you get **22.1618, 19.2734, 5.0450**, and if you desaturate by 10%, it is **25.0246, 23.5076, 10.5969**.

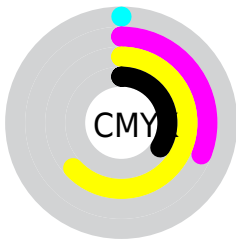
Distribution



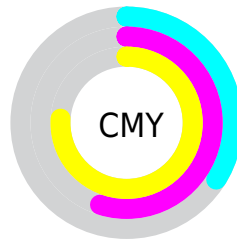
- Red (66%)
- Green (45%)
- Blue (24%)



- Red (65%)
- Yellow (66%)
- Blue (24%)



- Cyan (0%)
- Magenta (31%)
- Yellow (63%)
- Black (34%)



- Cyan (34%)
- Magenta (55%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4771, 21.2736, 7.4263 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 23.4771, 21.2736, 7.4263 by changing the saturation by 10% instead.

■ 23.4771, 21.2736,
7.4263

■ 23.4771, 21.2736,
7.4263

262.6559,
258.7290, 180.9235

■ 15.0688, 13.3241,
3.6476

■ 48.6365, 45.5424,
21.3531

■ 8.9543, 7.6521,
1.4341

■ 66.1182, 62.6306,
32.3384

■ 4.7683, 3.8732,
0.1681

■ 87.3553, 83.5338,
46.5629

■ 2.1453, 1.6029,
0.0000

■ 112.7128,
108.6364, 64.4452

■ 0.7137, 0.3595,
0.0000

■ 142.5563,
138.3228, 86.4039

■ 0.0000, 0.0000,
0.0000

■ 177.2511,

172.9775, 112.8575

217.1625,
212.9847, 144.2245

■ 23.4771, 21.2736,
7.4263

■ 23.4771, 21.2736,
7.4263

■ 22.1618, 19.2734,
5.0450

■ 25.0246, 23.5076,
10.5969

■ 21.0610, 17.4936,
3.3779

■ 26.8170, 25.9813,
14.6200

■ 20.1563, 15.9238,
2.3371

■ 28.8680, 28.7045,
19.5539

■ 19.6340, 14.9787,
1.8563

■ 31.1892, 31.6851,
25.4512

■ 33.7920, 34.9308,
32.3605

■ 36.6866, 38.4488,
40.3271

■ 39.8828, 42.2460,
49.3935

■ 43.3901, 46.3291,
59.6000

■ 47.2173, 50.7045,
70.9847

Harmonies

Analogous

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



27.4538, 21.2736, 11.4425



23.4771, 21.2736, 7.4263



19.0945, 21.2736, 6.7473

Triad

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



23.4771, 21.2736, 7.4263



13.0938, 21.2736, 26.6060



25.7408, 21.2736, 47.2579

Complementary

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



23.4771, 21.2736, 7.4263



15.2785, 16.1495, 39.8479

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.



21.3887, 21.2736, 55.3731



23.4771, 21.2736, 7.4263



14.3834, 21.2736, 40.9835

Square

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



23.4771, 21.2736, 7.4263



13.4887, 21.2736, 15.3789



17.2789, 21.2736, 52.7413



28.8843, 21.2736, 33.2111

Rectangle

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



23.4771, 21.2736, 7.4263



16.5869, 21.2736, 7.9243



17.2789, 21.2736, 52.7413



24.3482, 21.2736, 50.9613

Sweetspot

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



23.4776, 21.2747, 7.4267



57.6487, 58.9981, 50.2759



21.2083, 13.1298, 17.7876



12.2935, 12.5183, 10.2445



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.



23.4776, 21.2747, 7.4267



38.8482, 33.1809, 7.6810



31.4196, 37.1586, 10.0740



7.8323, 8.1446, 7.9485



14.6868, 11.2709, 1.4014



0.4085, 0.3765, 0.0511

Inverse Universe

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



15.2785, 16.1495, 39.8479



22.9639, 23.2558, 70.5036



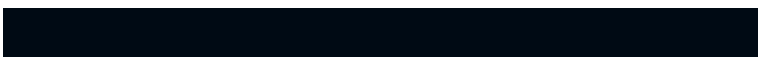
10.8708, 7.3342, 38.3786



7.4271, 7.8912, 9.5500



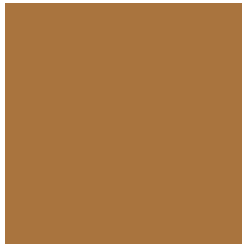
7.7366, 6.9334, 28.9060



0.2395, 0.2713, 0.7204

Previews

White Background



This preview shows how the XYZ color 23.4771, 21.2736, 7.4263 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 23.4771, 21.2736, 7.4263 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 23.4771, 21.2736, 7.4263

Background



This preview shows how black text looks on a background with the XYZ color 23.4771, 21.2736, 7.4263.



This preview shows how white text looks on a background with the XYZ color 23.4771, 21.2736,

7.4263.

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

23.4771, 21.2736, 7.4263

Protanopia

19.6870, 21.4944, 8.2655

Deuteranopia

21.5843, 21.1798, 7.3654



Tritanopia

26.0795, 21.3441, 19.8848

Trichromacy



Original Color

23.4771, 21.2736, 7.4263

Protanomaly

20.9243, 21.3763, 8.0242

Deuteranomaly

22.1371, 21.1076, 7.3223

Tritanomaly

25.0120, 21.2408, 14.3369

Monochromacy



Original Color

23.4771, 21.2736, 7.4263

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.5630, 20.6491, 15.7339

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4771, 21.2736, 7.4263 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(169, 116, 62)` looks like.

```
.text, #text, p{  
    color:rgb(169, 116, 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(169, 116, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 116, 62) }
```

Border

The CSS property to change the border of an element to XYZ 23.4771, 21.2736, 7.4263 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(169, 116, 62) }
```


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

```
.border{ border-color:rgb(169, 116, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 116, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 116, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 116, 62);  
box-shadow:4px 4px 4px 4px rgb(169, 116,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4771, 21.2736, 7.4263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 116, 62) }
```

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

```
.background{ background-color: rgb(169,  
116, 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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