

Converting Colors

XYZ(23.5684, 21.2752, 12.6548)

Have a look what the booklet for
XYZ(23.5684, 21.2752, 12.6548)
contains.

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Color

**XYZ(23.4436, 21.1386,
12.7421)**

Conversions

Conversions Part 1

Format	Color
Hex	A4745B
RGB	164, 116, 91
RGB Percent	64%, 45%, 36%
CMY	0.3569, 0.5451, 0.6431
CMYK	0.00, 0.29, 0.45, 0.36
HSL	21°, 29%, 50%
HSV	21°, 45%, 64%
XYZ	23.4436, 21.1386, 12.7421
YIQ	127.5020, 36.6330, 2.4010

Conversions

Conversions Part 2

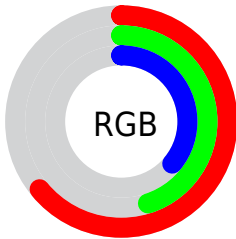
Format	Color
RYB	164, 129, 91
Decimal	10777691
CIELab	53.10, 15.72, 21.31
CIELCh	53, 26.483, 53.589
Yxy	21.1386, 0.4090, 0.3688
Android (android.graphics.Color)	4288967771 (0xFFA4745B)
YUV	127.5020, -17.9955, 32.0087
Hunter-Lab	45.9767, 10.5581, 15.7519

Details

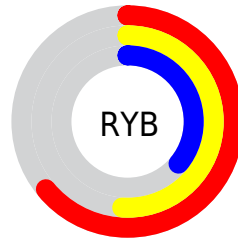
The XYZ color **23.4436, 21.1386, 12.7421** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **20.2476, 23.3690, 38.5656**, and the grayscale version is **20.3973, 21.4596, 23.3695**.

A 20% lighter version of the original color is **48.6291, 45.3005, 31.3801**, and **8.9712, 7.6387, 3.4842** is the 20% darker color. If you saturate the color by 10%, you get **21.6404, 18.5434, 9.0239**, and if you desaturate by 10%, it is **25.5468, 24.0863, 17.3235**.

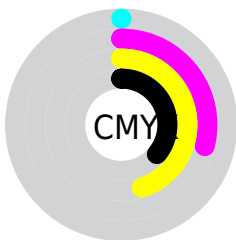
Distribution



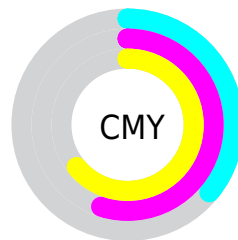
- Red (64%)
- Green (45%)
- Blue (36%)



- Red (64%)
- Yellow (51%)
- Blue (36%)



- Cyan (0%)
- Magenta (29%)
- Yellow (45%)
- Black (36%)



- Cyan (36%)
- Magenta (55%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4436, 21.1386, 12.7421 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 23.4436, 21.1386, 12.7421 by changing the saturation by 10% instead.

■ 23.4436, 21.1386,
12.7421

■ 23.4436, 21.1386,
12.7421

262.4883,
258.0142, 220.4076

■ 15.0439, 13.2254,
7.1226

■ 48.5820, 45.3181,
31.5240

■ 8.9367, 7.5839,
3.4593

■ 66.0514, 62.3531,
45.5235

■ 4.7567, 3.8299,
1.3337

■ 87.2748, 83.1975,
63.1534

■ 2.1385, 1.5789,
0.0891

■ 112.6175,
108.2357, 84.8322

■ 0.7100, 0.3433,
0.0000

142.4448,
137.8521, 110.9785

■ 0.0000, 0.0000,
0.0000

177.1221,

172.4310, 142.0108

217.0149,
212.3569, 178.3477

■ 23.4436, 21.1386,
12.7421

■ 23.4436, 21.1386,
12.7421

■ 21.6404, 18.5434,
9.0239

■ 25.5468, 24.0863,
17.3235

■ 20.1205, 16.2837,
6.1125

■ 27.9623, 27.3965,
22.8172

■ 18.8679, 14.3456,
3.9464

■ 30.7037, 31.0825,
29.2701

■ 17.8639, 12.7129,
2.4548

■ 33.7831, 35.1562,
36.7253

■ 17.0867, 11.3673,
1.5520

■ 37.2122, 39.6285,
45.2236

■ 16.7324, 10.7376,
1.1907

■ 41.0020, 44.5104,
54.8032

■ 45.1629, 49.8122,
65.5004

■ 49.7049, 55.5436,
77.3501

■ 54.6378, 61.7145,
90.3853

Harmonies

Analogous

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



25.4141, 21.1386, 17.4045



23.4436, 21.1386, 12.7421



20.6960, 21.1386, 10.8849

Triad

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



23.4436, 21.1386, 12.7421



15.2226, 21.1386, 21.3446



22.3134, 21.1386, 40.1424

Complementary

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



23.4436, 21.1386, 12.7421



20.2476, 23.3690, 38.5656

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.



19.4991, 21.1386, 41.8862



23.4436, 21.1386, 12.7421



15.5695, 21.1386, 29.7209

Square

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



23.4436, 21.1386, 12.7421



16.0799, 21.1386, 15.0550



17.0754, 21.1386, 37.7099



24.7206, 21.1386, 33.3819

Rectangle

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



23.4436, 21.1386, 12.7421



18.8586, 21.1386, 11.0887



17.0754, 21.1386, 37.7099



21.3773, 21.1386, 41.3908

Sweetspot

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



23.4441, 21.1396, 12.7425



56.4061, 57.3175, 54.7424



23.7602, 17.2586, 26.7614



12.0870, 12.2049, 11.3836



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



23.4441, 21.1396, 12.7425



39.4366, 33.8867, 16.6906



28.3995, 31.0504, 14.3943



7.2629, 7.4642, 7.4380



12.8702, 8.3144, 0.9265



0.3130, 0.2599, 0.0337

Inverse Universe

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



20.2476, 23.3690, 38.5656



32.8851, 38.3963, 69.4303



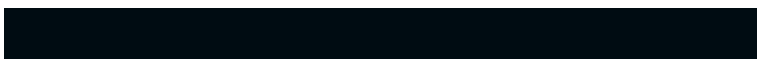
15.8823, 14.6384, 37.1105



7.0709, 7.6007, 8.9975



9.2813, 10.3419, 28.4368



0.2363, 0.2998, 0.6113

Previews

White Background



This preview shows how the XYZ color 23.4436, 21.1386, 12.7421 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 23.4436, 21.1386, 12.7421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

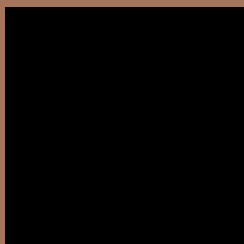
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.4436, 21.1386, 12.7421

Background



This preview shows how black text looks on a background with the XYZ color 23.4436, 21.1386, 12.7421.



This preview shows how white text looks on a background with the XYZ color 23.4436, 21.1386,

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

23.4436, 21.1386, 12.7421

Protanopia

19.8540, 21.2575, 14.1230

Deuteranopia

21.5675, 21.2366, 12.6352



Tritanopia

25.1207, 21.1599, 20.5296

Trichromacy



Original Color

23.4436, 21.1386, 12.7421

Protanomaly

20.9574, 21.0851, 13.5549

Deuteranomaly

22.2722, 21.2390, 12.5985

Tritanomaly

24.3913, 21.0214, 17.2400

Monochromacy



Original Color

23.4436, 21.1386, 12.7421

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

21.2867, 21.3158, 19.2121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4436, 21.1386, 12.7421 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(164, 116, 91)` looks like.

```
.text, #text, p{  
    color:rgb(164, 116, 91)  
}
```

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(164, 116, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 116, 91) }
```

Border

The CSS property to change the border of an element to XYZ 23.4436, 21.1386, 12.7421 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(164, 116, 91) }
```


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

```
.border{ border-color:rgb(164, 116, 91) }
```

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

Here you see how a box with a 4 pixel rgb(164, 116, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 116, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 116, 91);  
box-shadow:4px 4px 4px 4px rgb(164, 116,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4436, 21.1386, 12.7421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 116, 91) }
```

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

```
.background{ background-color: rgb(164,  
116, 91) }
```

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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