

Converting Colors

XYZ(23.4422, 21.1620, 11.6532)

Have a look what the booklet for
XYZ(23.4422, 21.1620, 11.6532)
contains.

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Color

**XYZ(23.4422, 21.1620,
11.6532)**

Conversions

Conversions Part 1

Format	Color
Hex	A57456
RGB	165, 116, 86
RGB Percent	65%, 45%, 34%
CMY	0.3529, 0.5451, 0.6627
CMYK	0.00, 0.30, 0.48, 0.35
HSL	23°, 31%, 49%
HSV	23°, 48%, 65%
XYZ	23.4422, 21.1620, 11.6532
YIQ	127.2310, 38.8340, 1.0580

Conversions

Conversions Part 2

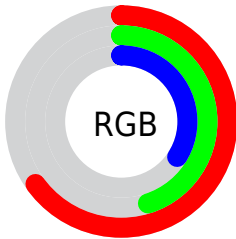
Format	Color
R_{YB}	165, 134, 86
Decimal	10843222
CIE _{Lab}	53.13, 15.60, 24.23
CIE _{LCh}	53, 28.817, 57.216
Yxy	21.1620, 0.4167, 0.3762
Android (android.graphics.Color)	4289033302 (0xFFA57456)
YUV	127.2310, -20.3269, 33.1234
Hunter-Lab	46.0022, 10.4578, 17.1823

Details

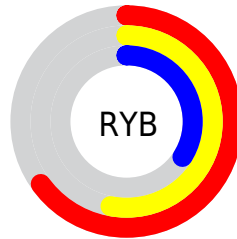
The XYZ color **23.4422, 21.1620, 11.6532** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **19.2929, 22.0221, 38.8312**, and the grayscale version is **20.3111, 21.3688, 23.2706**.

A 20% lighter version of the original color is **48.5708, 45.3124, 29.4788**, and **9.0057, 7.6670, 3.0127** is the 20% darker color. If you saturate the color by 10%, you get **21.7373, 18.6962, 8.1751**, and if you desaturate by 10%, it is **25.4316, 23.9512, 15.9837**.

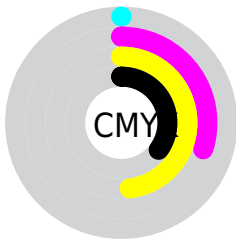
Distribution



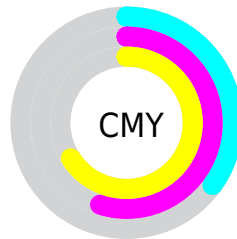
- Red (65%)
- Green (45%)
- Blue (34%)



- Red (65%)
- Yellow (53%)
- Blue (34%)



- Cyan (0%)
- Magenta (30%)
- Yellow (48%)
- Black (35%)



- Cyan (35%)
- Magenta (55%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4422, 21.1620, 11.6532 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 23.4422, 21.1620, 11.6532 by changing the saturation by 10% instead.

■ 23.4422, 21.1620,
11.6532

■ 23.4422, 21.1620,
11.6532

262.4813,
258.1382, 212.9914

■ 15.0429, 13.2425,
6.3883

■ 48.5797, 45.3570,
29.5168

■ 8.9360, 7.5957,
3.0100

■ 66.0486, 62.4012,
42.9526

■ 4.7562, 3.8374,
1.0998

■ 87.2714, 83.2559,
59.9491

■ 2.1382, 1.5830,
0.0000

■ 112.6135,
108.3052, 80.9249

■ 0.7099, 0.3461,
0.0000

■ 142.4401,
137.9338, 106.2985

■ 0.0000, 0.0000,
0.0000

177.1167,

172.5258, 136.4884

217.0087,
212.4658, 171.9132

■ 23.4422, 21.1620,
11.6532

■ 23.4422, 21.1620,
11.6532

■ 21.7373, 18.6962,
8.1751

■ 25.4316, 23.9512,
15.9837

■ 20.3005, 16.5380,
5.4905

■ 27.7176, 27.0726,
21.2177

■ 19.1157, 14.6748,
3.5345

■ 30.3135, 30.5384,
27.4039

■ 18.1642, 13.0916,
2.2314

■ 33.2311, 34.3593,
34.5868

■ 17.4172, 11.7690,
1.4542

■ 36.4819, 38.5455,
42.8082

■ 17.2761, 11.5175,
1.3125

■ 40.0764, 43.1066,
52.1077

■ 44.0248, 48.0521,
62.5225

■ 48.3369, 53.3909,
74.0883

■ 53.0220, 59.1317,
86.8389

Harmonies

Analogous

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



25.7628, 21.1620, 16.2121



23.4422, 21.1620, 11.6532



20.3986, 21.1620, 10.0550

Triad

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



23.4422, 21.1620, 11.6532



14.8298, 21.1620, 22.2395



22.9027, 21.1620, 41.3299

Complementary

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



23.4422, 21.1620, 11.6532



19.2929, 22.0221, 38.8312

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.



19.8317, 21.1620, 44.0917



23.4422, 21.1620, 11.6532



15.3576, 21.1620, 31.5621

Square

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



23.4422, 21.1620, 11.6532



15.5956, 21.1620, 15.1250



17.1165, 21.1620, 40.1430



25.4299, 21.1620, 33.3283

Rectangle

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



23.4422, 21.1620, 11.6532



18.4356, 21.1620, 10.4804



17.1165, 21.1620, 40.1430



21.8910, 21.1620, 42.9775

Sweetspot

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



23.4427, 21.1630, 11.6536



56.1140, 57.0960, 53.5271



23.2913, 16.4336, 25.2496



12.0395, 12.1822, 11.1445



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.



23.4427, 21.1630, 11.6536



38.8834, 33.4148, 14.5499



28.8297, 31.9369, 13.4493



7.2840, 7.5063, 7.4450



13.1147, 8.8033, 1.0080



0.3202, 0.2743, 0.0361

Inverse Universe

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



19.2929, 22.0221, 38.8312



30.5586, 35.0884, 68.9145



14.8612, 13.1587, 37.3540



7.0490, 7.5571, 8.9902



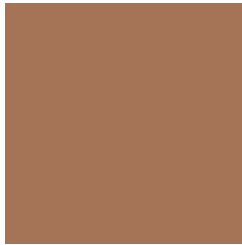
8.8065, 9.3923, 28.2785



0.2284, 0.2842, 0.6087

Previews

White Background



This preview shows how the XYZ color 23.4422, 21.1620, 11.6532 looks on a white background.

Color Contrast Check

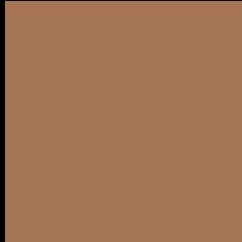
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4422, 21.1620, 11.6532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

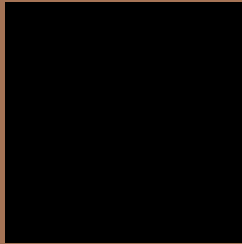
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.4422, 21.1620, 11.6532

Background



This preview shows how black text looks on a background with the XYZ color 23.4422, 21.1620, 11.6532.



This preview shows how white text looks on a background with the XYZ color 23.4422, 21.1620,

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

23.4422, 21.1620, 11.6532

Protanopia

19.7942, 21.2524, 12.9564

Deuteranopia

21.5481, 21.2503, 11.5603



Tritanopia

25.3328, 21.2692, 20.5395

Trichromacy



Original Color

23.4422, 21.1620, 11.6532

Protanomaly

20.9188, 21.0902, 12.4195

Deuteranomaly

22.2608, 21.2569, 11.5241

Tritanomaly

24.5483, 21.1085, 16.9679

Monochromacy



Original Color

23.4422, 21.1620, 11.6532

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.9921, 20.9985, 18.2759

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4422, 21.1620, 11.6532 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(165, 116, 86)` looks like.

```
.text, #text, p{  
    color:rgb(165, 116, 86)  
}
```

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(165, 116, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 116, 86) }
```

Border

The CSS property to change the border of an element to XYZ 23.4422, 21.1620, 11.6532 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(165, 116, 86) }
```


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

```
.border{ border-color:rgb(165, 116, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 116, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 116, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 116, 86);  
box-shadow:4px 4px 4px 4px rgb(165, 116,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4422, 21.1620, 11.6532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 116, 86) }
```

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

```
.background{ background-color: rgb(165,  
116, 86) }
```

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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