

Converting Colors

XYZ(23.3100, 21.1362, 13.0268)

Have a look what the booklet for
XYZ(23.3100, 21.1362, 13.0268)
contains.

XYZ(23.2814, 21.0500, 12.9612)	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(23.2814, 21.0500,
12.9612)**

Conversions

Conversions Part 1

Format	Color
Hex	A3745C
RGB	163, 116, 92
RGB Percent	64%, 45%, 36%
CMY	0.3608, 0.5451, 0.6392
CMYK	0.00, 0.29, 0.44, 0.36
HSL	20°, 28%, 50%
HSV	20°, 44%, 64%
XYZ	23.2814, 21.0500, 12.9612
YIQ	127.3170, 35.7160, 2.5000

Conversions

Conversions Part 2

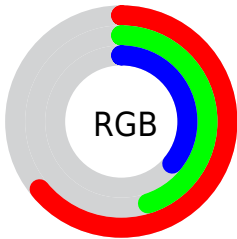
Format	Color
R_{YB}	163, 128, 92
Decimal	10712156
CIE _{Lab}	53.00, 15.41, 20.59
CIE _{LCh}	53, 25.718, 53.183
Yxy	21.0500, 0.4064, 0.3674
Android (android.graphics.Color)	4288902236 (0xFFA3745C)
YUV	127.3170, -17.4113, 31.2940
Hunter-Lab	45.8803, 10.2872, 15.3667

Details

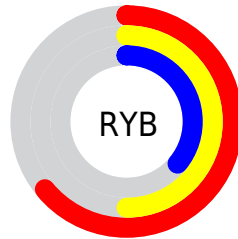
The XYZ color **23.2814, 21.0500, 12.9612** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **20.2567, 23.3840, 38.0962**, and the grayscale version is **20.3317, 21.3905, 23.2943**.

A 20% lighter version of the original color is **48.4003, 45.1739, 31.7596**, and **8.8669, 7.5827, 3.5810** is the 20% darker color. If you saturate the color by 10%, you get **21.4719, 18.4512, 9.2129**, and if you desaturate by 10%, it is **25.3898, 24.0011, 17.5660**.

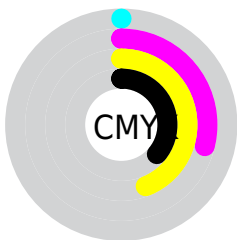
Distribution



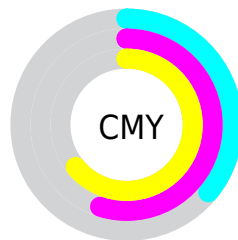
- Red (64%)
- Green (45%)
- Blue (36%)



- Red (64%)
- Yellow (50%)
- Blue (36%)



- Cyan (0%)
- Magenta (29%)
- Yellow (44%)
- Black (36%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.2814, 21.0500, 12.9612 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 23.2814, 21.0500, 12.9612 by changing the saturation by 10% instead.


 23.2814, 21.0500,
12.9612

 23.2814, 21.0500,
12.9612


261.6755,
257.5441, 221.8679


 14.9233, 13.1606,
7.2714


 48.3182, 45.1707,
31.9242


 8.8515, 7.5392,
3.5514


 65.7277, 62.1708,
46.0346

 4.7008, 3.8015,
1.3826

 86.8849, 82.9766,
63.7888

 2.1057, 1.5632,
0.1281

 112.1552,
107.9724, 85.6055

 0.6923, 0.3326,
0.0000

141.9041,
137.5426, 111.9033

 0.0000, 0.0000,
0.0000

176.4969,

172.0717, 143.1006

216.2989,
211.9441, 179.6159

■ 23.2814, 21.0500,
12.9612

■ 23.2814, 21.0500,
12.9612

■ 21.4719, 18.4512,
9.2129

■ 25.3898, 24.0011,
17.5660

■ 19.9448, 16.1878,
6.2658

■ 27.8092, 27.3145,
23.0752

■ 18.6843, 14.2460,
4.0602

■ 30.5530, 31.0034,
29.5346

■ 17.6723, 12.6098,
2.5274

■ 33.6331, 35.0796,
36.9867

■ 16.8876, 11.2611,
1.5852

■ 37.0611, 39.5541,
45.4712

■ 16.4755, 10.5291,
1.1640

■ 40.8478, 44.4376,
55.0256

■ 45.0035, 49.7406,
65.6858

■ 49.5382, 55.4727,
77.4857

■ 54.4615, 61.6437,
90.4579

Harmonies

Analogous

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



25.1674, 21.0500, 17.5523



23.2814, 21.0500, 12.9612



20.6297, 21.0500, 11.1025

Triad

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



23.2814, 21.0500, 12.9612



15.2840, 21.0500, 21.2006



22.1209, 21.0500, 39.4780

Complementary

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



23.2814, 21.0500, 12.9612



20.2567, 23.3840, 38.0962

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.



19.3977, 21.0500, 41.0726



23.2814, 21.0500, 12.9612



15.6057, 21.0500, 29.2833

Square

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



23.2814, 21.0500, 12.9612



16.1336, 21.0500, 15.1168



17.0557, 21.0500, 36.9969



24.4564, 21.0500, 33.0305

Rectangle

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



23.2814, 21.0500, 12.9612



18.8469, 21.0500, 11.2803



17.0557, 21.0500, 36.9969



21.2145, 21.0500, 40.6511

Sweetspot

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



23.2819, 21.0510, 12.9616



54.8834, 55.7452, 53.2891



23.6161, 17.3148, 26.6515



12.0801, 12.1911, 11.3813



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.



23.2819, 21.0510, 12.9616



38.6324, 33.3038, 16.8567



28.1295, 30.7462, 14.5775



7.2604, 7.4592, 7.4372



12.8430, 8.2599, 0.9174



0.3122, 0.2582, 0.0334

Inverse Universe

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



20.2567, 23.3840, 38.0962



32.4944, 37.9798, 67.6743



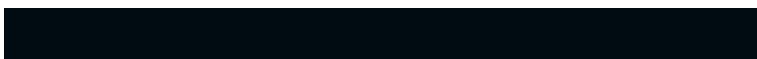
15.9582, 14.7870, 36.6633



7.0735, 7.6059, 8.9983



9.3399, 10.4593, 28.4564



0.2372, 0.3017, 0.6116

Previews

White Background



This preview shows how the XYZ color 23.2814, 21.0500, 12.9612 looks on a white background.

Color Contrast Check

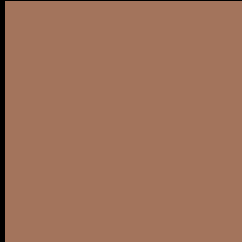
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.2814, 21.0500, 12.9612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

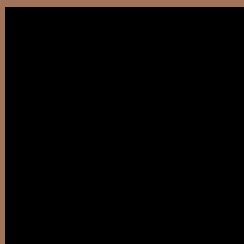
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.2814, 21.0500, 12.9612

Background



This preview shows how black text looks on a background with the XYZ color 23.2814, 21.0500, 12.9612.



This preview shows how white text looks on a background with the XYZ color 23.2814, 21.0500,

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

23.2814, 21.0500, 12.9612

Protanopia

19.9004, 21.2761, 14.3671

Deuteranopia

21.6104, 21.2537, 12.8609



Tritanopia

24.9712, 21.0758, 20.8411

Trichromacy



Original Color

23.2814, 21.0500, 12.9612

Protanomaly

21.0026, 21.1031, 13.7928

Deuteranomaly

22.1224, 21.1568, 12.8152

Tritanomaly

24.2366, 20.9354, 17.5154

Monochromacy



Original Color

23.2814, 21.0500, 12.9612

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.9354, 20.9563, 18.8611

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2814, 21.0500, 12.9612 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(163, 116, 92)` looks like.

```
.text, #text, p{  
    color:rgb(163, 116, 92)  
}
```

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(163, 116, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 116, 92) }
```

Border

The CSS property to change the border of an element to XYZ 23.2814, 21.0500, 12.9612 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(163, 116, 92) }
```


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

```
.border{ border-color:rgb(163, 116, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 116, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 116, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 116, 92);  
box-shadow:4px 4px 4px 4px rgb(163, 116,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2814, 21.0500, 12.9612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 116, 92) }
```

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

```
.background{ background-color: rgb(163,  
116, 92) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor