

Converting Colors

XYZ(23.0150, 21.1275, 12.2055)

Have a look what the booklet for
XYZ(23.0150, 21.1275, 12.2055)
contains.

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Color

**XYZ(23.0230, 21.1085,
12.0934)**

Conversions

Conversions Part 1

Format	Color
Hex	A27558
RGB	162, 117, 88
RGB Percent	64%, 46%, 35%
CMY	0.3647, 0.5412, 0.6549
CMYK	0.00, 0.28, 0.46, 0.36
HSL	24°, 30%, 49%
HSV	24°, 46%, 64%
XYZ	23.0230, 21.1085, 12.0934
YIQ	127.1490, 36.1290, 0.5210

Conversions

Conversions Part 2

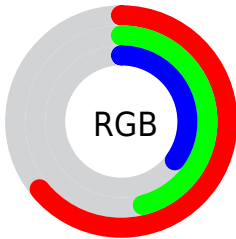
Format	Color
R_{YB}	162, 136, 88
Decimal	10646872
CIE Lab	53.07, 13.97, 22.95
CIE LCh	53, 26.866, 58.657
Yxy	21.1085, 0.4095, 0.3754
Android (android.graphics.Color)	4288836952 (0xFFA27558)
YUV	127.1490, -19.3005, 30.5643
Hunter-Lab	45.9440, 9.0462, 16.5544

Details

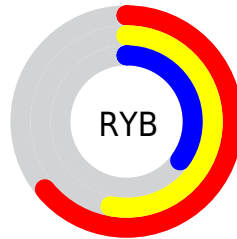
The XYZ color **23.0230, 21.1085, 12.0934** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **18.9332, 21.4575, 37.3262**, and the grayscale version is **20.2800, 21.3361, 23.2351**.

A 20% lighter version of the original color is **47.9888, 45.2710, 30.2536**, and **8.7304, 7.6116, 3.1995** is the 20% darker color. If you saturate the color by 10%, you get **21.3372, 18.6941, 8.5806**, and if you desaturate by 10%, it is **24.9798, 23.8262, 16.4326**.

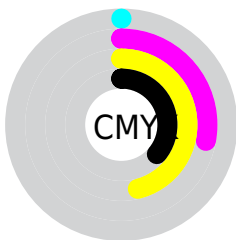
Distribution



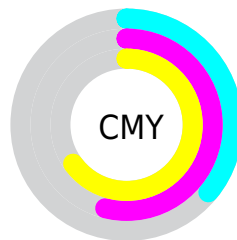
- Red (64%)
- Green (46%)
- Blue (35%)



- Red (64%)
- Yellow (53%)
- Blue (35%)



- Cyan (0%)
- Magenta (28%)
- Yellow (46%)
- Black (36%)



- Cyan (36%)
- Magenta (54%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0230, 21.1085, 12.0934 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 23.0230, 21.1085, 12.0934 by changing the saturation by 10% instead.

■ 23.0230, 21.1085,
12.0934

■ 23.0230, 21.1085,
12.0934

260.3762,
257.8545, 216.0225

■ 14.7313, 13.2033,
6.6840

■ 47.8975, 45.2680,
30.3320

■ 8.7161, 7.5687,
3.1898

■ 65.2109, 62.2912,
43.9984

■ 4.6121, 3.8202,
1.1924

■ 86.2623, 83.1225,
61.2541

■ 2.0539, 1.5735,
0.0000

■ 111.4171,
108.1463, 82.5177

■ 0.6640, 0.3397,
0.0000

■ 141.0405,
137.7470, 108.2079

■ 0.0000, 0.0000,
0.0000

175.4979,

172.3090, 138.7430

215.1547,
212.2167, 174.5417

■ 23.0230, 21.1085,
12.0934

■ 23.0230, 21.1085,
12.0934

■ 21.3372, 18.6941,
8.5806

■ 24.9798, 23.8262,
16.4326

■ 19.9071, 16.5685,
5.8393

■ 27.2186, 26.8548,
21.6461

■ 18.7181, 14.7204,
3.8093

■ 29.7518, 30.2056,
27.7793

■ 17.7531, 13.1364,
2.4211

■ 32.5904, 33.8882,
34.8743

■ 16.9907, 11.8010,
1.5833

■ 35.7447, 37.9119,
42.9704

■ 16.7053, 11.2914,
1.2990

■ 39.2248, 42.2855,
52.1048

■ 43.0402, 47.0174,
62.3127

■ 47.1997, 52.1160,
73.6278

■ 51.7122, 57.5890,
86.0823

Harmonies

Analogous

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



25.2167, 21.1085, 16.3016



23.0230, 21.1085, 12.0934



20.1906, 21.1085, 10.6759

Triad

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



23.0230, 21.1085, 12.0934



15.1080, 21.1085, 22.6209



22.7822, 21.1085, 39.5145

Complementary

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



23.0230, 21.1085, 12.0934



18.9332, 21.4575, 37.3262

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.



19.9360, 21.1085, 42.3063



23.0230, 21.1085, 12.0934



15.6642, 21.1085, 31.2798

Square

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



23.0230, 21.1085, 12.0934



15.7724, 21.1085, 15.8045



17.3682, 21.1085, 38.9936



25.0687, 21.1085, 32.0617

Rectangle

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



23.0230, 21.1085, 12.0934



18.3751, 21.1085, 11.1711



17.3682, 21.1085, 38.9936



21.8512, 21.1085, 41.0967

Sweetspot

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



23.0235, 21.1095, 12.0938



54.7062, 55.7435, 52.1425



22.6676, 16.3720, 24.3859



12.0596, 12.2225, 11.1512



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.



23.0235, 21.1095, 12.0938



38.6325, 33.7864, 15.3696



28.1131, 31.2886, 13.7903



7.2909, 7.5201, 7.4473



13.2004, 8.9747, 1.0366



0.3226, 0.2790, 0.0369

Inverse Universe

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



18.9332, 21.4575, 37.3262



30.2249, 34.4633, 67.1152



14.7871, 13.1653, 35.9441



7.0419, 7.5429, 8.9878



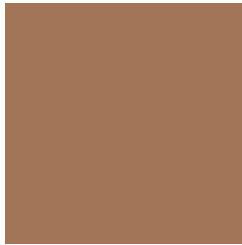
8.6590, 9.0974, 28.2294



0.2260, 0.2792, 0.6078

Previews

White Background



This preview shows how the XYZ color 23.0230, 21.1085, 12.0934 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 23.0230, 21.1085, 12.0934 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

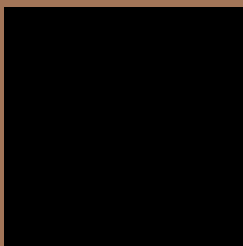
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.0230, 21.1085, 12.0934

Background



This preview shows how black text looks on a background with the XYZ color 23.0230, 21.1085, 12.0934.



This preview shows how white text looks on a background with the XYZ color 23.0230, 21.1085,

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

23.0230, 21.1085, 12.0934

Protanopia

19.8377, 21.2698, 13.1851

Deuteranopia

21.6287, 21.2826, 11.9848



Tritanopia

24.8734, 21.1901, 20.8683

Trichromacy



Original Color

23.0230, 21.1085, 12.0934

Protanomaly

20.8253, 21.0322, 12.8595

Deuteranomaly

22.1471, 21.1890, 11.9394

Tritanomaly

24.0875, 21.0313, 17.2579

Monochromacy



Original Color

23.0230, 21.1085, 12.0934

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.8788, 20.9336, 18.5629

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0230, 21.1085, 12.0934 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(162, 117, 88)` looks like.

```
.text, #text, p{  
    color:rgb(162, 117, 88)  
}
```

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(162, 117, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 117, 88) }
```

Border

The CSS property to change the border of an element to XYZ 23.0230, 21.1085, 12.0934 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(162, 117, 88) }
```


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

```
.border{ border-color:rgb(162, 117, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 117, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 117, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 117, 88);  
box-shadow:4px 4px 4px 4px rgb(162, 117,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0230, 21.1085, 12.0934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 117, 88) }
```

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

```
.background{ background-color: rgb(162,  
117, 88) }
```

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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