

Converting Colors

XYZ(23.6280, 18.2389, 14.2700)

Have a look what the booklet for
XYZ(23.6280, 18.2389, 14.2700)
contains.

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Color

**XYZ(23.5882, 18.2401,
14.3341)**

Conversions

Conversions Part 1

Format	Color
Hex	AC6164
RGB	172, 97, 100
RGB Percent	67%, 38%, 39%
CMY	0.3255, 0.6196, 0.6078
CMYK	0.00, 0.44, 0.42, 0.33
HSL	358°, 31%, 53%
HSV	358°, 44%, 67%
XYZ	23.5882, 18.2401, 14.3341
YIQ	119.7670, 43.7370, 16.8330

Conversions

Conversions Part 2

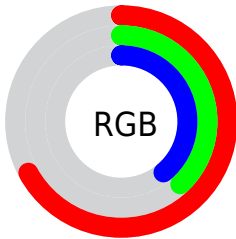
Format	Color
R_{YB}	172, 97, 100
Decimal	11297124
CIE Lab	49.79, 30.65, 11.68
CIE LCh	50, 32.802, 20.864
Yxy	18.2401, 0.4200, 0.3248
Android (android.graphics.Color)	4289487204 (0xFFAC6164)
YUV	119.7670, -9.7451, 45.8083
Hunter-Lab	42.7084, 23.8472, 9.9966

Details

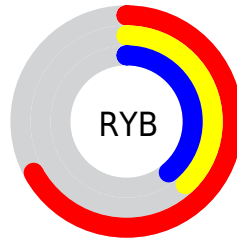
The XYZ color **23.5882, 18.2401, 14.3341** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **26.8446, 34.9114, 42.8616**, and the grayscale version is **17.7990, 18.7259, 20.3925**.

A 20% lighter version of the original color is **48.9665, 40.5523, 34.5247**, and **9.0589, 6.1622, 4.2020** is the 20% darker color. If you saturate the color by 10%, you get **21.4479, 15.1115, 10.0692**, and if you desaturate by 10%, it is **26.2360, 22.1244, 19.5678**.

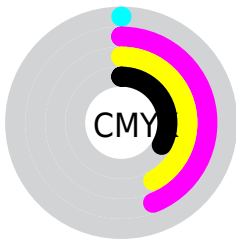
Distribution



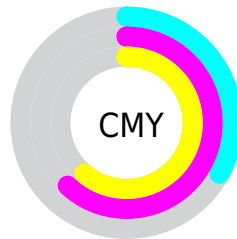
- Red (67%)
- Green (38%)
- Blue (39%)



- Red (67%)
- Yellow (38%)
- Blue (39%)



- Cyan (0%)
- Magenta (44%)
- Yellow (42%)
- Black (33%)





- Cyan (33%)
- Magenta (62%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.5882, 18.2401, 14.3341 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 23.5882, 18.2401, 14.3341 by changing the saturation by 10% instead.


 23.5882, 18.2401,
14.3341


 23.5882, 18.2401,
14.3341


263.2112,
242.2209, 230.7997


 15.1515, 11.1225,
8.2120


 48.8169, 40.4460,
34.4063


 9.0128, 6.1493,
4.1412


 66.3397, 56.3031,
49.1935

 4.8067, 2.9361,
1.7031

 87.6219, 75.8422,
67.7061

 2.1679, 1.0984,
0.3629

 113.0288, 99.4477,
90.3627

 0.7257, 0.0000,
0.0000

142.9258,
127.5039, 117.5818

 0.0000, 0.0000,
0.0000

177.6783,

160.3952, 149.7820

217.6517,
198.5061, 187.3818

■ 23.5882, 18.2401,
14.3341

■ 23.5882, 18.2401,
14.3341

■ 21.4479, 15.1115,
10.0692

■ 26.2360, 22.1244,
19.5678

■ 19.7813, 12.6870,
6.7126

■ 29.4195, 26.8064,
25.8235

■ 18.5529, 10.9128,
4.1987


■ 33.1662, 32.3278,
33.1519


■ 17.7214, 9.7261,
2.4529


■ 37.5017, 38.7272,
41.6000


■ 17.2376, 9.0520,
1.3871


■ 42.4497, 46.0403,
51.2120

 17.0509, 8.7857,
0.9945

 48.0328, 54.3012,
62.0297

 54.2723, 63.5419,
74.0929

 61.1887, 73.7932,
87.4394

 68.8014, 85.0844,
102.1057

Harmonies

Analogous

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



23.9810, 18.2401, 22.7239



23.5882, 18.2401, 14.3341



21.4181, 18.2401, 9.2693

Triad

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



23.5882, 18.2401, 14.3341



13.0762, 18.2401, 10.8493



16.3988, 18.2401, 42.1921

Complementary

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



23.5882, 18.2401, 14.3341



26.8446, 34.9114, 42.8616

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.



13.8098, 18.2401, 36.4473



23.5882, 18.2401, 14.3341



12.0492, 18.2401, 17.2481

Square

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



23.5882, 18.2401, 14.3341



15.2810, 18.2401, 7.7186



12.3005, 18.2401, 26.6507



19.5689, 18.2401, 40.7041

Rectangle

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



23.5882, 18.2401, 14.3341



19.3847, 18.2401, 7.6244



12.3005, 18.2401, 26.6507



15.4382, 18.2401, 40.9914

Sweetspot

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



23.5887, 18.2410, 14.3344



60.4395, 59.0472, 60.6715



27.9233, 19.8811, 41.3954



12.7963, 12.3331, 12.5243



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



23.5887, 18.2410, 14.3344



39.1423, 27.7540, 18.7327



27.2542, 25.8000, 14.8538



8.0177, 8.0203, 8.4042



12.6936, 6.5400, 0.7659



0.3572, 0.1836, 0.0429

Inverse Universe

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



23.5887, 18.2410, 14.3344



39.1423, 27.7540, 18.7327



21.5013, 23.7696, 42.4845



8.0177, 8.0203, 8.4042



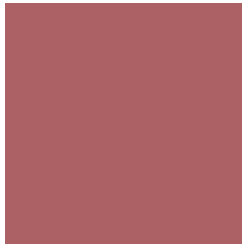
12.6936, 6.5400, 0.7659



0.3572, 0.1836, 0.0429

Previews

White Background



This preview shows how the XYZ color 23.5882, 18.2401, 14.3341 looks on a white background.

Color Contrast Check

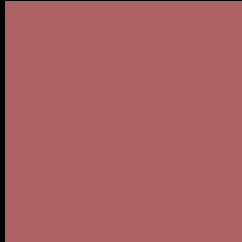
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 23.5882, 18.2401, 14.3341 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 23.5882, 18.2401, 14.3341

Background



This preview shows how black text looks on a background with the XYZ color 23.5882, 18.2401, 14.3341.



This preview shows how white text looks on a background with the XYZ color 23.5882, 18.2401, 14.3341.

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

23.5882, 18.2401, 14.3341

Protanopia

17.5161, 18.3155, 17.6510

Deuteranopia

18.6562, 18.3010, 13.8584



Tritanopia

23.6443, 18.1157, 15.0824

Trichromacy



Original Color

23.5882, 18.2401, 14.3341

Protanomaly

19.2143, 17.8761, 16.3477

Deuteranomaly

20.1448, 18.0910, 13.9854

Tritanomaly

23.5944, 18.0957, 14.8196

Monochromacy



Original Color

23.5882, 18.2401, 14.3341

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

19.4223, 18.2696, 18.1255

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5882, 18.2401, 14.3341 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(172, 97, 100)` looks like.

```
.text, #text, p{  
    color:rgb(172, 97, 100)  
}
```

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(172, 97, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 97, 100) }
```

Border

The CSS property to change the border of an element to XYZ 23.5882, 18.2401, 14.3341 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(172, 97, 100) }
```


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

```
.border{ border-color:rgb(172, 97, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 97, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 97, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 97, 100);  
box-shadow:4px 4px 4px 4px rgb(172, 97,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5882, 18.2401, 14.3341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 97, 100) }
```

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

```
.background{ background-color: rgb(172, 97,  
100) }
```

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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