

Converting Colors

XYZ(23.6178, 20.2588, 11.4696)

Have a look what the booklet for
XYZ(23.6178, 20.2588, 11.4696)
contains.

XYZ(23.6178, 20.2588, 11.4696)	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(23.6178, 20.2588,
11.4696)**

Conversions

Conversions Part 1

Format	Color
Hex	A96E56
RGB	169, 110, 86
RGB Percent	66%, 43%, 34%
CMY	0.3373, 0.5686, 0.6627
CMYK	0.00, 0.35, 0.49, 0.34
HSL	17°, 33%, 50%
HSV	17°, 49%, 66%
XYZ	23.6178, 20.2588, 11.4696
YIQ	124.9050, 42.8680, 5.0440

Conversions

Conversions Part 2

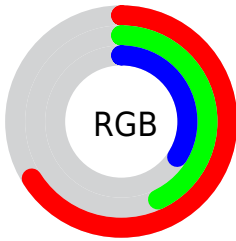
Format	Color
R_{YB}	169, 120, 86
Decimal	11103830
CIE Lab	52.13, 20.69, 23.01
CIE LCh	52, 30.939, 48.043
Yxy	20.2588, 0.4267, 0.3660
Android (android.graphics.Color)	4289293910 (0xFFA96E56)
YUV	124.9050, -19.1802, 38.6713
Hunter-Lab	45.0098, 14.8965, 16.3983

Details

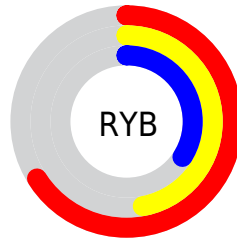
The XYZ color **23.6178, 20.2588, 11.4696** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.1239, 25.0924, 41.2658**, and the grayscale version is **19.5139, 20.5302, 22.3573**.

A 20% lighter version of the original color is **48.7283, 43.7870, 29.1760**, and **9.0451, 7.1759, 2.9158** is the 20% darker color. If you saturate the color by 10%, you get **21.8064, 17.5999, 7.8945**, and if you desaturate by 10%, it is **25.7669, 23.3356, 15.9520**.

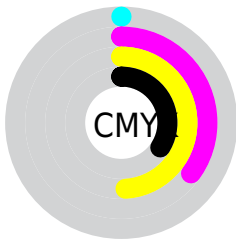
Distribution



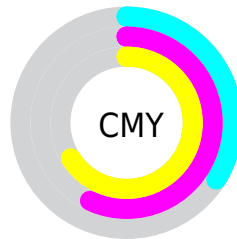
- Red (66%)
- Green (43%)
- Blue (34%)



- Red (66%)
- Yellow (47%)
- Blue (34%)



- Cyan (0%)
- Magenta (35%)
- Yellow (49%)
- Black (34%)




- Cyan (34%)
- Magenta (57%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.6178, 20.2588, 11.4696 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 23.6178, 20.2588, 11.4696 by changing the saturation by 10% instead.


 23.6178, 20.2588,
11.4696


 23.6178, 20.2588,
11.4696


263.3589,
253.3127, 211.7133


 15.1735, 12.5833,
6.2655


 48.8650, 43.8507,
29.1751


 9.0284, 7.1422,
2.9358


 66.3987, 60.5358,
42.5137


 4.8170, 3.5512,
1.0619

 87.6929, 80.9930,
59.4007

 2.1739, 1.4258,
0.0000

 113.1129,
105.6065, 80.2549

 0.7289, 0.2356,
0.0000

 143.0242,
134.7609, 105.4947

 0.0000, 0.0000,
0.0000

177.7921,

168.8405, 135.5387

217.7819,
208.2296, 170.8054

■ 23.6178, 20.2588,
11.4696

■ 23.6178, 20.2588,
11.4696

■ 21.8064, 17.5999,
7.8945

■ 25.7669, 23.3356,
15.9520

■ 20.3127, 15.3372,
5.1624

■ 28.2694, 26.8446,
21.3975

■ 19.1166, 13.4514,
3.2025

■ 31.1413, 30.8032,
27.8588

■ 18.1948, 11.9204,
1.9315

■ 34.3977, 35.2270,
35.3843

■ 17.5085, 10.7146,
1.1884

■ 38.0524, 40.1306,
44.0194

■ 17.4552, 10.6213,
1.1301

■ 42.1188, 45.5282,
53.8068

■ 46.6093, 51.4331,
64.7869

■ 51.5362, 57.8585,
76.9983

■ 56.9109, 64.8167,
90.4776

Harmonies

Analogous

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



25.6413, 20.2588, 17.0882



23.6178, 20.2588, 11.4696



20.5441, 20.2588, 9.0229

Triad

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



23.6178, 20.2588, 11.4696



13.8939, 20.2588, 18.6406



21.2026, 20.2588, 43.1287

Complementary

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



23.6178, 20.2588, 11.4696



21.1239, 25.0924, 41.2658

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.



18.0218, 20.2588, 43.8819



23.6178, 20.2588, 11.4696



14.0289, 20.2588, 27.9094

Square

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



23.6178, 20.2588, 11.4696



15.0748, 20.2588, 12.3366



15.4662, 20.2588, 37.7249



24.1452, 20.2588, 35.8845

Rectangle

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



23.6178, 20.2588, 11.4696



18.4164, 20.2588, 8.9094



15.4662, 20.2588, 37.7249



20.1195, 20.2588, 44.2097

Sweetspot

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



23.6183, 20.2598, 11.4700



57.9314, 58.1122, 54.8439



24.8381, 17.1499, 28.9850



12.3771, 12.3261, 11.3803



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



23.6183, 20.2598, 11.4700



38.7780, 31.1083, 13.6141



29.1111, 31.2454, 13.3009



7.7013, 7.8827, 7.9049



13.0504, 7.9980, 0.8559



0.3607, 0.2810, 0.0352

Inverse Universe

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



21.1239, 25.0924, 41.2658



33.7371, 40.7063, 73.3041



15.9479, 14.7404, 39.5405



7.5615, 8.1600, 9.5948



10.4018, 12.2637, 29.7944



0.2937, 0.3796, 0.7384

Previews

White Background



This preview shows how the XYZ color 23.6178, 20.2588, 11.4696 looks on a white background.

Color Contrast Check

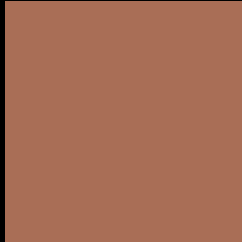
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6178, 20.2588, 11.4696 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

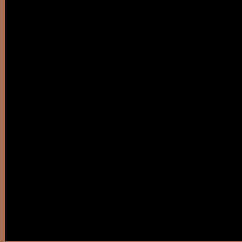
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.6178, 20.2588, 11.4696

Background



This preview shows how black text looks on a background with the XYZ color 23.6178, 20.2588, 11.4696.



This preview shows how white text looks on a background with the XYZ color 23.6178, 20.2588,

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

23.6178, 20.2588, 11.4696

Protanopia

19.0969, 20.5083, 13.0772

Deuteranopia

20.5915, 20.2233, 11.2057



Tritanopia

24.9859, 20.1809, 18.4980

Trichromacy



Original Color

23.6178, 20.2588, 11.4696

Protanomaly

20.5946, 20.3742, 12.5200

Deuteranomaly

21.5954, 20.2146, 11.3579

Tritanomaly

24.3339, 20.0609, 15.6863

Monochromacy



Original Color

23.6178, 20.2588, 11.4696

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

20.5702, 20.2434, 17.8621

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6178, 20.2588, 11.4696 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(169, 110, 86)` looks like.

```
.text, #text, p{  
    color:rgb(169, 110, 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(169, 110, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 110, 86) }
```

Border

The CSS property to change the border of an element to XYZ 23.6178, 20.2588, 11.4696 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(169, 110, 86) }
```


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

```
.border{ border-color:rgb(169, 110, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 110, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 110, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 110, 86);  
box-shadow:4px 4px 4px 4px rgb(169, 110,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6178, 20.2588, 11.4696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 110, 86) }
```

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

```
.background{ background-color: rgb(169,  
110, 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](#).

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