

Converting Colors

XYZ(23.3576, 20.1443, 6.3714)

Have a look what the booklet for
XYZ(23.3576, 20.1443, 6.3714)
contains.

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Color

**XYZ(23.4160, 20.1070,
6.3883)**

Conversions

Conversions Part 1

Format	Color
Hex	AD6D38
RGB	173, 109, 56
RGB Percent	68%, 43%, 22%
CMY	0.3216, 0.5725, 0.7804
CMYK	0.00, 0.37, 0.68, 0.32
HSL	27°, 51%, 45%
HSV	27°, 68%, 68%
XYZ	23.4160, 20.1070, 6.3883
YIQ	122.0940, 55.1570, -2.9150

Conversions

Conversions Part 2

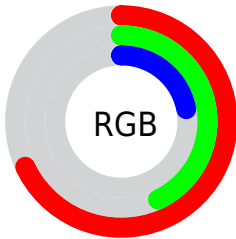
Format	Color
RYB	173, 153, 56
Decimal	11365688
CIELab	51.96, 20.52, 39.45
CIElCh	52, 44.472, 62.518
Yxy	20.1070, 0.4692, 0.4029
Android (android.graphics.Color)	4289555768 (0xFFAD6D38)
YUV	122.0940, -32.5843, 44.6446
Hunter-Lab	44.8408, 14.7417, 22.9418

Details

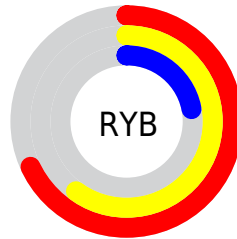
The XYZ color **23.4160, 20.1070, 6.3883** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **15.8898, 17.2900, 42.0347**, and the grayscale version is **18.6204, 19.5901, 21.3336**.

A 20% lighter version of the original color is **48.5734, 43.6655, 19.2328**, and **8.9096, 7.0658, 1.0953** is the 20% darker color. If you saturate the color by 10%, you get **22.1081, 18.0555, 4.2135**, and if you desaturate by 10%, it is **24.9797, 22.4365, 9.3700**.

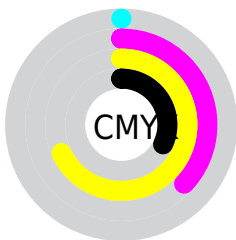
Distribution



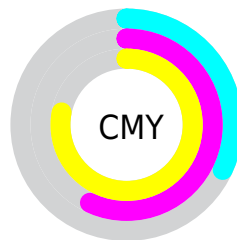
- Red (68%)
- Green (43%)
- Blue (22%)



- Red (68%)
- Yellow (60%)
- Blue (22%)



- Cyan (0%)
- Magenta (37%)
- Yellow (68%)
- Black (32%)



- Cyan (32%)
- Magenta (57%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4160, 20.1070, 6.3883 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 23.4160, 20.1070, 6.3883 by changing the saturation by 10% instead.

■ 23.4160, 20.1070,
6.3883

■ 23.4160, 20.1070,
6.3883

262.3501,
252.4938, 171.9129

■ 15.0234, 12.4728,
3.0100

■ 48.5371, 43.5965,
19.2231

■ 8.9222, 7.0666,
1.0998

■ 65.9964, 60.2206,
29.5167

■ 4.7472, 3.5038,
0.0000

■ 87.2085, 80.6102,
42.9524

■ 2.1329, 1.4000,
0.0000

■ 112.5389,
105.1497, 59.9489

■ 0.7070, 0.2168,
0.0000

■ 142.3529,
134.2234, 80.9247

■ 0.0000, 0.0000,
0.0000

■ 177.0159,

168.2157, 106.2982

216.8932,
207.5110, 136.4881

■ 23.4160, 20.1070,
6.3883

■ 23.4160, 20.1070,
6.3883

■ 22.1081, 18.0555,
4.2135

■ 24.9797, 22.4365,
9.3700

■ 21.0355, 16.2656,
2.7600

■ 26.8147, 25.0528,
13.2301

■ 20.1700, 14.7213,
1.8962

■ 28.9366, 27.9680,
18.0332

■ 19.9844, 14.3861,
1.7235

■ 31.3593, 31.1925,
23.8376

■ 34.0956, 34.7360,
30.6968

■ 37.1576, 38.6080,
38.6604

■ 40.5567, 42.8172,
47.7750

■ 44.3037, 47.3722,
58.0843

■ 48.4088, 52.2811,
69.6299

Harmonies

Analogous

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



27.4307, 20.1070, 11.0405



23.4160, 20.1070, 6.3883



18.7312, 20.1070, 5.2382

Triad

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



23.4160, 20.1070, 6.3883



11.6673, 20.1070, 23.0066



24.1826, 20.1070, 50.3594

Complementary

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



23.4160, 20.1070, 6.3883



15.8898, 17.2900, 42.0347

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.



19.4961, 20.1070, 57.4356



23.4160, 20.1070, 6.3883



12.6708, 20.1070, 38.2143

Square

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



23.4160, 20.1070, 6.3883



12.3823, 20.1070, 12.2864



15.3691, 20.1070, 52.2920



27.9202, 20.1070, 35.5298

Rectangle

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



23.4160, 20.1070, 6.3883



15.9676, 20.1070, 5.9952



15.3691, 20.1070, 52.2920



22.6423, 20.1070, 53.9395

Sweetspot

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



23.4165, 20.1080, 6.3887



59.6740, 60.4270, 51.4425



22.0592, 13.0773, 19.2426



12.6764, 12.7548, 10.4449



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.



23.4165, 20.1080, 6.3887



38.6251, 30.7452, 6.1493



31.7934, 36.8620, 9.1810



8.2929, 8.5905, 8.4344



14.7373, 10.6802, 1.2847



0.4651, 0.4073, 0.0541

Inverse Universe

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



15.8898, 17.2900, 42.0347



24.1713, 25.2720, 74.4098



10.8883, 7.2871, 40.3675



7.9283, 8.4559, 10.1670



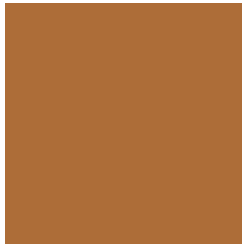
8.5807, 8.2953, 30.1934



0.2924, 0.3382, 0.8579

Previews

White Background



This preview shows how the XYZ color 23.4160, 20.1070, 6.3883 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 23.4160, 20.1070, 6.3883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

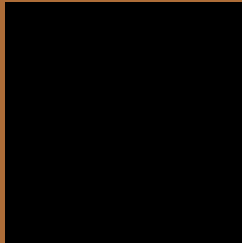
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.4160, 20.1070, 6.3883

Background



This preview shows how black text looks on a background with the XYZ color 23.4160, 20.1070, 6.3883.



This preview shows how white text looks on a background with the XYZ color 23.4160, 20.1070,

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

23.4160, 20.1070, 6.3883

Protanopia

18.5312, 20.1555, 7.3286

Deuteranopia

20.4707, 20.0932, 6.2895



Tritanopia

25.5692, 20.0564, 17.2755

Trichromacy



Original Color

23.4160, 20.1070, 6.3883

Protanomaly

20.1487, 20.0887, 6.9532

Deuteranomaly

21.5183, 20.1144, 6.3628

Tritanomaly

24.5762, 19.9553, 12.2293

Monochromacy



Original Color

23.4160, 20.1070, 6.3883

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.5504, 19.2671, 14.2438

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4160, 20.1070, 6.3883 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(173, 109, 56)` looks like.

```
.text, #text, p{  
    color:rgb(173, 109, 56)  
}
```

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(173, 109, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 109, 56) }
```

Border

The CSS property to change the border of an element to XYZ 23.4160, 20.1070, 6.3883 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(173, 109, 56) }
```


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

```
.border{ border-color:rgb(173, 109, 56) }
```

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

Here you see how a box with a 4 pixel rgb(173, 109, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 109, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 109, 56);  
box-shadow:4px 4px 4px 4px rgb(173, 109,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4160, 20.1070, 6.3883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 109, 56) }
```

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

```
.background{ background-color: rgb(173,  
109, 56) }
```

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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