

Converting Colors

XYZ(23.5390, 21.1775, 11.3193)

Have a look what the booklet for
XYZ(23.5390, 21.1775, 11.3193)
contains.

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Color

**XYZ(23.5715, 21.2379,
11.2445)**

Conversions

Conversions Part 1

Format	Color
Hex	A67454
RGB	166, 116, 84
RGB Percent	65%, 45%, 33%
CMY	0.3490, 0.5451, 0.6706
CMYK	0.00, 0.30, 0.49, 0.35
HSL	23°, 33%, 49%
HSV	23°, 49%, 65%
XYZ	23.5715, 21.2379, 11.2445
YIQ	127.3020, 40.0720, 0.6480

Conversions

Conversions Part 2

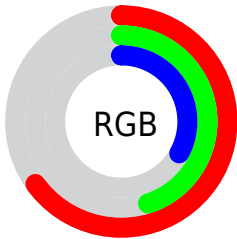
Format	Color
RYB	166, 136, 84
Decimal	10908756
CIELab	53.21, 15.82, 25.49
CIELCh	53, 30.004, 58.172
Yxy	21.2379, 0.4205, 0.3789
Android (android.graphics.Color)	4289098836 (0xFFA67454)
YUV	127.3020, -21.3479, 33.9381
Hunter-Lab	46.0846, 10.6517, 17.7926

Details

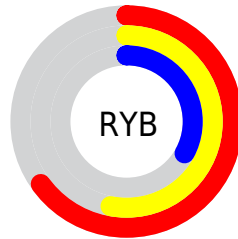
The XYZ color **23.5715, 21.2379, 11.2445** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **19.0637, 21.6872, 39.2575**, and the grayscale version is **20.3387, 21.3979, 23.3023**.

A 20% lighter version of the original color is **48.7371, 45.4145, 28.7514**, and **8.9725, 7.6537, 2.8381** is the 20% darker color. If you saturate the color by 10%, you get **21.8931, 18.8011, 7.8486**, and if you desaturate by 10%, it is **25.5322, 23.9926, 15.4951**.

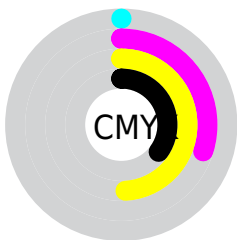
Distribution



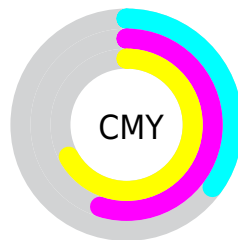
- Red (65%)
- Green (45%)
- Blue (33%)



- Red (65%)
- Yellow (53%)
- Blue (33%)



- Cyan (0%)
- Magenta (30%)
- Yellow (49%)
- Black (35%)



- Cyan (35%)
- Magenta (55%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5715, 21.2379, 11.2445 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 23.5715, 21.2379, 11.2445 by changing the saturation by 10% instead.

■ 23.5715, 21.2379,
11.2445

■ 23.5715, 21.2379,
11.2445

263.1278,
258.5401, 210.1347

■ 15.1391, 13.2980,
6.1153

■ 48.7898, 45.4831,
28.7549

■ 9.0040, 7.6341,
2.8454

■ 66.3064, 62.5573,
41.9733

■ 4.8009, 3.8617,
1.0162

■ 87.5818, 83.4449,
58.7250

■ 2.1645, 1.5965,
0.0000

■ 112.9813,
108.5305, 79.4288

■ 0.7239, 0.3552,
0.0000

■ 142.8703,
138.1984, 104.5031

■ 0.0000, 0.0000,
0.0000

177.6142,

172.8331, 134.3665

217.5782,
212.8188, 169.4375

■ 23.5715, 21.2379,
11.2445

■ 23.5715, 21.2379,
11.2445

■ 21.8931, 18.8011,
7.8486

■ 25.5322, 23.9926,
15.4951

■ 20.4802, 16.6667,
5.2466

■ 27.7875, 27.0740,
20.6530

■ 19.3167, 14.8221,
3.3715


■ 30.3507, 30.4941,
26.7679


■ 18.3833, 13.2524,
2.1444

■ 33.2339, 34.2633,
33.8857

■ 17.6446, 11.9357,
1.4026


■ 36.4484, 38.3918,
42.0491

 17.6040, 11.8633,
1.3620

 40.0049, 42.8892,
51.2984

 43.9137, 47.7645,
61.6718

 48.1845, 53.0268,
73.2056

 52.8269, 58.6846,
85.9344

Harmonies

Analogous

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



26.0454, 21.2379, 15.8279



23.5715, 21.2379, 11.2445



20.3809, 21.2379, 9.7043

Triad

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



23.5715, 21.2379, 11.2445



14.6897, 21.2379, 22.5725



23.2003, 21.2379, 42.1620

Complementary

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



23.5715, 21.2379, 11.2445



19.0637, 21.6872, 39.2575

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.



19.9923, 21.2379, 45.3080



23.5715, 21.2379, 11.2445



15.2787, 21.2379, 32.3763

Square

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



23.5715, 21.2379, 11.2445



15.4406, 21.2379, 15.0911



17.1412, 21.2379, 41.3370



25.8158, 21.2379, 33.5975

Rectangle

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



23.5715, 21.2379, 11.2445



18.3454, 21.2379, 10.1950



17.1412, 21.2379, 41.3370



22.1457, 21.2379, 43.9730

Sweetspot

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



23.5720, 21.2389, 11.2449



57.1673, 58.0834, 53.6762



23.2390, 16.1849, 24.6613



12.5606, 12.6930, 11.4414



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.



23.5720, 21.2389, 11.2449



39.5393, 33.8339, 13.8687



29.2874, 32.6696, 13.1500



7.7623, 8.0046, 7.9252



13.6939, 9.2850, 1.0704



0.3831, 0.3258, 0.0427

Inverse Universe

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



19.0637, 21.6872, 39.2575



30.3881, 34.6922, 70.5699



14.5035, 12.5668, 37.7374



7.4981, 8.0330, 9.5737



9.0084, 9.4769, 29.3299



0.2667, 0.3256, 0.7294

Previews

White Background



This preview shows how the XYZ color 23.5715, 21.2379, 11.2445 looks on a white background.

Color Contrast Check

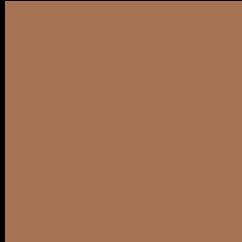
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5715, 21.2379, 11.2445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

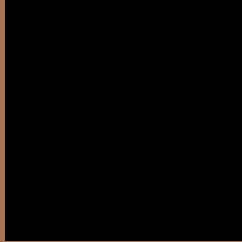
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.5715, 21.2379, 11.2445

Background



This preview shows how black text looks on a background with the XYZ color 23.5715, 21.2379, 11.2445.



This preview shows how white text looks on a background with the XYZ color 23.5715, 21.2379,

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

23.5715, 21.2379, 11.2445

Protanopia

19.8738, 21.3033, 12.5157

Deuteranopia

21.6577, 21.3159, 11.1565



Tritanopia

25.4368, 21.1600, 20.5129

Trichromacy



Original Color

23.5715, 21.2379, 11.2445

Protanomaly

21.0160, 21.1499, 11.9915

Deuteranomaly

22.3784, 21.3266, 11.1206

Tritanomaly

24.7074, 21.1966, 16.6991

Monochromacy



Original Color

23.5715, 21.2379, 11.2445

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.9367, 20.9763, 17.9843

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5715, 21.2379, 11.2445 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(166, 116, 84)` looks like.

```
.text, #text, p{  
    color:rgb(166, 116, 84)  
}
```

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(166, 116, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 116, 84) }
```

Border

The CSS property to change the border of an element to XYZ 23.5715, 21.2379, 11.2445 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(166, 116, 84) }
```


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

```
.border{ border-color:rgb(166, 116, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 116, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 116, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 116, 84);  
box-shadow:4px 4px 4px 4px rgb(166, 116,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5715, 21.2379, 11.2445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 116, 84) }
```

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

```
.background{ background-color: rgb(166,  
116, 84) }
```

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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