

Converting Colors

XYZ(23.1710, 21.4720, 11.7275)

Have a look what the booklet for
XYZ(23.1710, 21.4720, 11.7275)
contains.

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Color

**XYZ(23.1768, 21.5469,
11.7415)**

Conversions

Conversions Part 1

Format	Color
Hex	A27756
RGB	162, 119, 86
RGB Percent	64%, 47%, 34%
CMY	0.3647, 0.5333, 0.6627
CMYK	0.00, 0.27, 0.47, 0.36
HSL	26°, 31%, 49%
HSV	26°, 47%, 64%
XYZ	23.1768, 21.5469, 11.7415
YIQ	128.0950, 36.2210, -1.1470

Conversions

Conversions Part 2

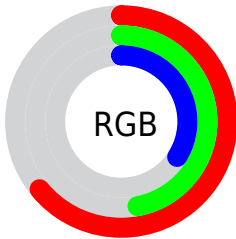
Format	Color
R_{YB}	162, 144, 86
Decimal	10647382
CIE _{Lab}	53.54, 12.62, 24.71
CIE _{LCh}	54, 27.742, 62.941
Yxy	21.5469, 0.4105, 0.3816
Android (android.graphics.Color)	4288837462 (0xFFA27756)
YUV	128.0950, -20.7528, 29.7347
Hunter-Lab	46.4186, 7.8923, 17.4958

Details

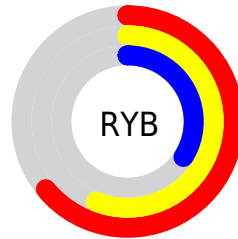
The XYZ color **23.1768, 21.5469, 11.7415** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **18.2092, 20.2867, 37.1383**, and the grayscale version is **20.6122, 21.6856, 23.6156**.

A 20% lighter version of the original color is **48.2203, 45.9635, 29.6229**, and **8.8206, 7.8478, 3.0574** is the 20% darker color. If you saturate the color by 10%, you get **21.5581, 19.2383, 8.3386**, and if you desaturate by 10%, it is **25.0498, 24.1272, 15.9595**.

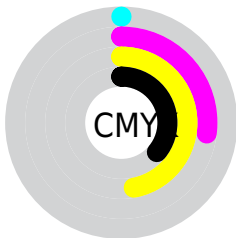
Distribution



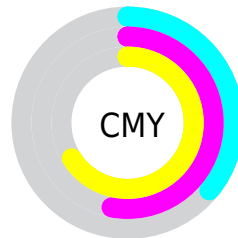
- Red (64%)
- Green (47%)
- Blue (34%)



- Red (64%)
- Yellow (56%)
- Blue (34%)



- Cyan (0%)
- Magenta (27%)
- Yellow (47%)
- Black (36%)





- Cyan (36%)
- Magenta (53%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.1768, 21.5469, 11.7415 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 23.1768, 21.5469, 11.7415 by changing the saturation by 10% instead.


 23.1768, 21.5469,
11.7415


 23.1768, 21.5469,
11.7415


261.1502,
260.1709, 213.6032


 14.8455, 13.5244,
6.4475


 48.1480, 45.9960,
29.6807


 8.7966, 7.7906,
3.0459


 65.5186, 63.1913,
43.1631


 4.6648, 3.9612,
1.1181

 86.6331, 84.2130,
60.2119

 2.0847, 1.6519,
0.0000

 111.8567,
109.4454, 81.2459

 0.6809, 0.3922,
0.0000

 141.5549,
139.2730, 106.6834

 0.0000, 0.0000,
0.0000

176.0929,

174.0802, 136.9431

215.8363,
214.2514, 172.4435

■ 23.1768, 21.5469,
11.7415

■ 23.1768, 21.5469,
11.7415

■ 21.5581, 19.2383,
8.3386

■ 25.0498, 24.1272,
15.9595

■ 20.1789, 17.1882,
5.6952

■ 27.1874, 26.9854,
21.0405

■ 19.0253, 15.3870,
3.7507

■ 29.6014, 30.1314,
27.0305

■ 18.0808, 13.8229,
2.4344

■ 32.3022, 33.5736,
33.9713

■ 17.3220, 12.4810,
1.6397

■ 35.2997, 37.3201,
41.9027

■ 17.1124, 12.1056,
1.4347

■ 38.6033, 41.3784,
50.8617

■ 42.2220, 45.7561,
60.8837

■ 46.1642, 50.4603,
72.0022

■ 50.4382, 55.4978,
84.2495

Harmonies

Analogous

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



25.6320, 21.5469, 15.6729



23.1768, 21.5469, 11.7415



20.1893, 21.5469, 10.6660

Triad

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



23.1768, 21.5469, 11.7415



15.3097, 21.5469, 24.3065



23.7300, 21.5469, 39.9532

Complementary

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



23.1768, 21.5469, 11.7415



18.2092, 20.2867, 37.1383

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.



20.7728, 21.5469, 43.7719



23.1768, 21.5469, 11.7415



16.0687, 21.5469, 33.4772

Square

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



23.1768, 21.5469, 11.7415



15.8218, 21.5469, 16.8052



18.0004, 21.5469, 41.1568



25.9723, 21.5469, 31.6761

Rectangle

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



23.1768, 21.5469, 11.7415



18.3423, 21.5469, 11.4326



18.0004, 21.5469, 41.1568



22.7770, 21.5469, 41.8802

Sweetspot

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



23.1773, 21.5479, 11.7419



54.9857, 56.3027, 52.2357



22.1950, 15.9239, 22.6960



12.1303, 12.3639, 11.1748



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.



23.1773, 21.5479, 11.7419



39.0958, 34.8653, 15.0543



28.6257, 32.4446, 13.5580



7.3150, 7.5683, 7.4554



13.5230, 9.6199, 1.1441



0.3308, 0.2954, 0.0396

Inverse Universe

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



18.2092, 20.2867, 37.1383



28.9685, 32.2735, 66.7587



14.1063, 12.0809, 35.7706



7.0173, 7.4936, 8.9796



8.1726, 8.1245, 28.0672



0.2176, 0.2624, 0.6050

Previews

White Background



This preview shows how the XYZ color 23.1768, 21.5469, 11.7415 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 23.1768, 21.5469, 11.7415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

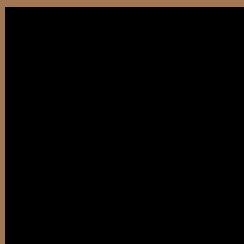
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.1768, 21.5469, 11.7415

Background



This preview shows how black text looks on a background with the XYZ color 23.1768, 21.5469, 11.7415.



This preview shows how white text looks on a background with the XYZ color 23.1768, 21.5469,

11.7415.

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

23.1768, 21.5469, 11.7415

Protanopia

20.0459, 21.5798, 12.7816

Deuteranopia

22.0491, 21.6918, 11.6192



Tritanopia

25.1095, 21.4640, 21.5584

Trichromacy



Original Color

23.1768, 21.5469, 11.7415

Protanomaly

21.1694, 21.5915, 12.5030

Deuteranomaly

22.5039, 21.7430, 11.6051

Tritanomaly

24.3697, 21.5091, 17.6191

Monochromacy



Original Color

23.1768, 21.5469, 11.7415

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

21.1295, 21.4349, 18.6465

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1768, 21.5469, 11.7415 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, 119, 86)` looks like.

```
.text, #text, p{  
    color:rgb(162, 119, 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(162, 119, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 119, 86) }
```

Border

The CSS property to change the border of an element to XYZ 23.1768, 21.5469, 11.7415 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, 119, 86) }
```


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

```
.border{ border-color:rgb(162, 119, 86) }
```

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

Here you see how a box with a 4 pixel rgb(162, 119, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 119, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 119, 86);  
box-shadow:4px 4px 4px 4px rgb(162, 119,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1768, 21.5469, 11.7415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 119, 86) }
```

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

```
.background{ background-color: rgb(162,  
119, 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](#).

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