

Converting Colors

XYZ(22.8414, 20.9516, 20.2427)

Have a look what the booklet for
XYZ(22.8414, 20.9516, 20.2427)
contains.

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Color

**XYZ(22.9451, 21.0611,
20.3086)**

Conversions

Conversions Part 1

Format	Color
Hex	997677
RGB	153, 118, 119
RGB Percent	60%, 46%, 47%
CMY	0.4000, 0.5372, 0.5333
CMYK	0.00, 0.23, 0.22, 0.40
HSL	358°, 15%, 53%
HSV	358°, 23%, 60%
XYZ	22.9451, 21.0611, 20.3086
YIQ	128.5790, 20.5390, 7.7310

Conversions

Conversions Part 2

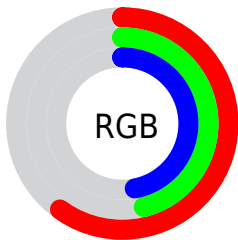
Format	Color
R_{YB}	153, 118, 119
Decimal	10057335
CIE Lab	53.02, 13.85, 4.72
CIE LCh	53, 14.629, 18.833
Yxy	21.0611, 0.3568, 0.3275
Android (android.graphics.Color)	4288247415 (0xFF997677)
YUV	128.5790, -4.7224, 21.4172
Hunter-Lab	45.8924, 8.9341, 5.8873

Details

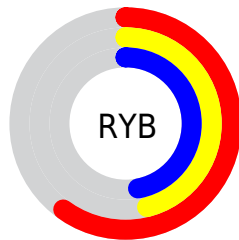
The XYZ color **22.9451, 21.0611, 20.3086** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **24.5308, 28.9016, 33.9930**, and the grayscale version is **20.7306, 21.8102, 23.7513**.

A 20% lighter version of the original color is **47.7378, 45.0996, 44.7171**, and **8.6323, 7.4779, 6.9496** is the 20% darker color. If you saturate the color by 10%, you get **20.4634, 17.4163, 15.4162**, and if you desaturate by 10%, it is **25.8598, 25.3482, 26.0347**.

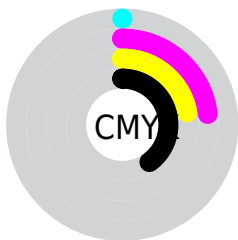
Distribution



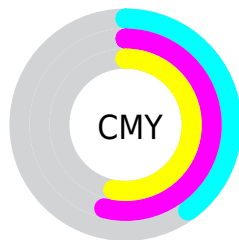
- Red (60%)
- Green (46%)
- Blue (47%)



- Red (60%)
- Yellow (46%)
- Blue (47%)



- Cyan (0%)
- Magenta (23%)
- Yellow (22%)
- Black (40%)



- Cyan (40%)
- Magenta (54%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.9451, 21.0611, 20.3086 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 22.9451, 21.0611, 20.3086 by changing the saturation by 10% instead.

■ 22.9451, 21.0611,
20.3086

■ 22.9451, 21.0611,
20.3086

259.9835,
257.6030, 266.2402

■ 14.6734, 13.1687,
12.4333

■ 47.7705, 45.1892,
44.7997

■ 8.6753, 7.5448,
6.9134

■ 65.0549, 62.1937,
62.2526

■ 4.5854, 3.8051,
3.3304

■ 86.0743, 83.0043,
83.7351

■ 2.0384, 1.5651,
1.2657

111.1941,
108.0054, 109.6656

■ 0.6554, 0.3339,
0.0334

140.7795,
137.5814, 140.4629

■ 0.0000, 0.0000,
0.0000

175.1960,

172.1168, 176.5454

214.8089,
211.9959, 218.3316

■ 22.9451, 21.0611,
20.3086

■ 22.9451, 21.0611,
20.3086

■ 20.4634, 17.4163,
15.4162

■ 25.8598, 25.3482,
26.0347

■ 18.3926, 14.3802,
11.3175

■ 29.2251, 30.3034,
32.6294

■ 16.7109, 11.9204,
7.9710

■ 33.0594, 35.9546,
40.1273

■ 15.3940, 10.0007,
5.3310

■ 37.3799, 42.3272,
48.5606

■ 14.4149, 8.5803,
3.3468

■ 42.2027, 49.4454,
57.9601

■ 13.7429, 7.6130,
1.9611

■ 47.5433, 57.3321,
68.3550

■ 13.3414, 7.0438,
1.1065

■ 53.4164, 66.0096,
79.7734

■ 13.1608, 6.7819,
0.7405

■ 59.8363, 75.4989,
92.2421

■ 66.5913, 85.3701,
105.7122

Harmonies

Analogous

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



23.0572, 21.0611, 24.6092



22.9451, 21.0611, 20.3086



22.0255, 21.0611, 17.1361

Triad

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



22.9451, 21.0611, 20.3086



17.8761, 21.0611, 17.8031



19.4515, 21.0611, 32.2705

Complementary

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



22.9451, 21.0611, 20.3086



24.5308, 28.9016, 33.9930

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.



18.1363, 21.0611, 29.9063



22.9451, 21.0611, 20.3086



17.2582, 21.0611, 21.3327

Square

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



22.9451, 21.0611, 20.3086



19.0797, 21.0611, 15.8224



17.3510, 21.0611, 25.7720



20.9865, 21.0611, 31.9043

Rectangle

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



22.9451, 21.0611, 20.3086



21.1033, 21.0611, 15.9146



17.3510, 21.0611, 25.7720



18.9704, 21.0611, 31.7577

Sweetspot

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



22.9457, 21.0621, 20.3090



49.6673, 50.3353, 53.2039



25.1465, 21.9171, 33.0423



10.8979, 11.0128, 11.6126



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



22.9457, 21.0621, 20.3090



38.9272, 34.5375, 32.1062



24.9788, 25.2236, 20.6929



6.2156, 6.2254, 6.5153



10.8793, 5.6059, 0.6234



0.1643, 0.0845, 0.0181

Inverse Universe

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



22.9457, 21.0621, 20.3090



38.9272, 34.5375, 32.1062



22.1202, 23.9490, 33.5940



6.2156, 6.2254, 6.5153



10.8793, 5.6059, 0.6234



0.1643, 0.0845, 0.0181

Previews

White Background



This preview shows how the XYZ color 22.9451, 21.0611, 20.3086 looks on a white background.

Color Contrast Check

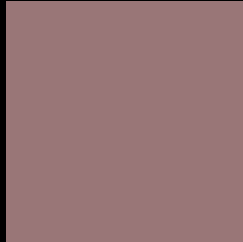
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9451, 21.0611, 20.3086 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 22.9451, 21.0611, 20.3086

Background



This preview shows how black text looks on a background with the XYZ color 22.9451, 21.0611, 20.3086.



This preview shows how white text looks on a background with the XYZ color 22.9451, 21.0611,

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

22.9451, 21.0611, 20.3086

Protanopia

20.3049, 21.1228, 22.0757

Deuteranopia

21.3849, 20.9779, 20.0616



Tritanopia

23.4536, 21.0990, 22.5750

Trichromacy



Original Color

22.9451, 21.0611, 20.3086

Protanomaly

21.0770, 20.9743, 21.3499

Deuteranomaly

21.9614, 21.0937, 20.0535

Tritanomaly

23.2629, 21.0227, 21.5706

Monochromacy



Original Color

22.9451, 21.0611, 20.3086

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.5165, 21.5512, 22.4278

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.9451, 21.0611, 20.3086 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(153, 118, 119)` looks like.

```
.text, #text, p{  
    color:rgb(153, 118, 119)  
}
```

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(153, 118, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 118, 119) }
```

Border

The CSS property to change the border of an element to XYZ 22.9451, 21.0611, 20.3086 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(153, 118, 119) }
```


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

```
.border{ border-color:rgb(153, 118, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 118, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 118, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 118, 119);  
box-shadow:4px 4px 4px 4px rgb(153, 118,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 22.9451, 21.0611, 20.3086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 118, 119) }
```

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

```
.background{ background-color: rgb(153,  
118, 119) }
```

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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