

# Converting Colors

XYZ(22.9575, 21.2499, 20.0188)

Have a look what the booklet for  
XYZ(22.9575, 21.2499, 20.0188)  
contains.

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# Color

**XYZ(23.0037, 21.2740,  
20.0334)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	997776
RGB	153, 119, 118
RGB Percent	60%, 47%, 46%
CMY	0.4000, 0.5333, 0.5373
CMYK	0.00, 0.22, 0.23, 0.40
HSL	2°, 15%, 53%
HSV	2°, 23%, 60%
XYZ	23.0037, 21.2740, 20.0334
YIQ	129.0520, 20.5850, 6.8970

# Conversions

## Conversions Part 2

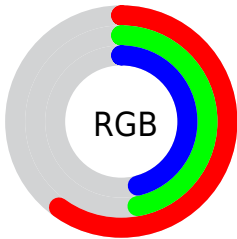
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	153, 119, 118
Decimal	10057590
CIE <sub>Lab</sub>	53.25, 13.11, 5.64
CIE <sub>LCh</sub>	53, 14.273, 23.278
Yxy	21.2740, 0.3577, 0.3308
Android (android.graphics.Color)	4288247670 (0xFF997776)
YUV	129.0520, -5.4486, 21.0024
Hunter-Lab	46.1237, 8.3083, 6.5346

# Details

The XYZ color **23.0037, 21.2740, 20.0334** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **24.4488, 28.6070, 34.3702**, and the grayscale version is **20.8984, 21.9867, 23.9436**.

A 20% lighter version of the original color is **47.8310, 45.4380, 44.2797**, and **8.6625, 7.5892, 6.8027** is the 20% darker color. If you saturate the color by 10%, you get **20.5348, 17.6750, 15.0827**, and if you desaturate by 10%, it is **25.8979, 25.4872, 25.8540**.

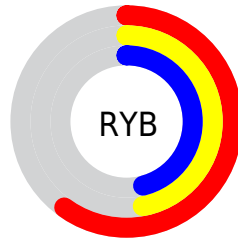
# Distribution



Red (60%)

Green (47%)

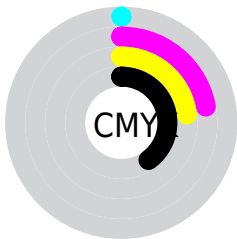
Blue (46%)



Red (60%)

Yellow (47%)

Blue (46%)

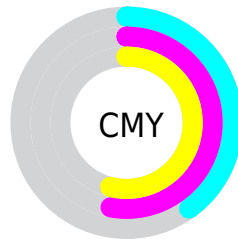


Cyan (0%)

Magenta (22%)

Yellow (23%)

Black (40%)



Cyan (40%)

Magenta (53%)

Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0037, 21.2740, 20.0334 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 23.0037, 21.2740, 20.0334 by changing the saturation by 10% instead.



■ 23.0037, 21.2740,  
20.0334

■ 23.0037, 21.2740,  
20.0334

260.2790,  
258.7311, 264.7061

■ 14.7169, 13.3244,  
12.2350

■ 47.8660, 45.5431,  
44.3329

■ 8.7060, 7.6523,  
6.7795

■ 65.1723, 62.6314,  
61.6710

■ 4.6055, 3.8733,  
3.2482

■ 86.2158, 83.5348,  
83.0262

■ 2.0501, 1.6029,  
1.2227

111.3619,  
108.6376, 108.8169

■ 0.6618, 0.3596,  
0.0000

140.9758,  
138.3242, 139.4617

■ 0.0000, 0.0000,  
0.0000

175.4231,

172.9791, 175.3792

215.0691,  
212.9866, 216.9878

■ 23.0037, 21.2740,  
20.0334

■ 23.0037, 21.2740,  
20.0334

■ 20.5348, 17.6750,  
15.0827

■ 25.8979, 25.4872,  
25.8540

■ 18.4695, 14.6587,  
10.9589

■ 29.2342, 30.3381,  
32.5820

■ 16.7868, 12.1953,  
7.6173

■ 33.0307, 35.8529,  
40.2545


■ 15.4633, 10.2514,  
5.0086

■ 37.3040, 42.0553,  
48.9058


■ 14.4728, 8.7897,  
3.0777


■ 42.0697, 48.9676,  
58.5688


 13.7857, 7.7680,  
1.7619

 47.3430, 56.6116,  
69.2747

 13.3672, 7.1372,  
0.9867

 53.1381, 65.0077,  
81.0535

 13.1845, 6.8675,  
0.6307

 59.4689, 74.1758,  
93.9338

 66.2356, 84.0896,  
107.3477

# Harmonies

## Analogous

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



23.2401, 21.2740, 24.1499



23.0037, 21.2740, 20.0334



22.0048, 21.2740, 17.1226

# Triad

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



23.0037, 21.2740, 20.0334



17.9832, 21.2740, 18.5430



19.8826, 21.2740, 32.4325

# Complementary

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



23.0037, 21.2740, 20.0334



24.4488, 28.6070, 34.3702

# 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.



18.5349, 21.2740, 30.4811



23.0037, 21.2740, 20.0334



17.4741, 21.2740, 22.2048

# Square

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



23.0037, 21.2740, 20.0334



19.0955, 21.2740, 16.3398



17.6710, 21.2740, 26.6043



21.3884, 21.2740, 31.6638



# Rectangle

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



23.0037, 21.2740, 20.0334



21.0665, 21.2740, 16.0837



17.6710, 21.2740, 26.6043



19.3971, 21.2740, 32.0657

# Sweetspot

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



23.0043, 21.2750, 20.0338



49.7089, 50.4857, 53.0110



25.3171, 22.0101, 32.7991



10.9077, 11.0482, 11.5672



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.



23.0043, 21.2750, 20.0338



39.0455, 34.9644, 31.5587



25.2229, 25.7123, 20.7734



6.2223, 6.2496, 6.4842



10.9010, 5.6845, 0.5227



0.1663, 0.0916, 0.0089



# Inverse Universe

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



24.4488, 28.6070, 34.3702



42.0572, 50.2530, 61.4551



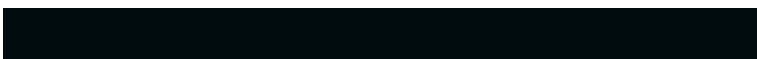
21.8735, 23.4564, 33.5117



6.3694, 6.9962, 7.9437



13.5886, 19.5740, 27.9697

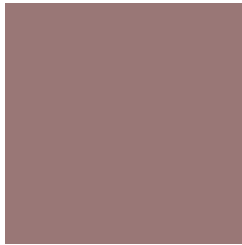


0.2072, 0.3008, 0.4195



# Previews

## White Background



This preview shows how the XYZ color 23.0037, 21.2740, 20.0334 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 23.0037, 21.2740, 20.0334 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 23.0037, 21.2740, 20.0334

## Background



This preview shows how black text looks on a background with the XYZ color 23.0037, 21.2740, 20.0334.



This preview shows how white text looks on a background with the XYZ color 23.0037, 21.2740,



# 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

23.0037, 21.2740, 20.0334

### Protanopia

20.4623, 21.4092, 21.4663

### Deuteranopia

21.6215, 21.2899, 19.7994



## Tritanopia

23.6356, 21.3592, 22.9557

# Trichromacy



## Original Color

23.0037, 21.2740, 20.0334

## Protanomaly

21.3063, 21.2847, 21.0746

## Deuteranomaly

22.2030, 21.4065, 19.7913

## Tritanomaly

23.4429, 21.2821, 21.9411

# Monochromacy



## Original Color

23.0037, 21.2740, 20.0334

## 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 23.0037, 21.2740, 20.0334 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, 119, 118)` looks like.

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

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, 119, 118) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to XYZ 23.0037, 21.2740, 20.0334 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, 119, 118) }
```



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

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

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

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

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

# Background

The CSS property to change the background color of an element to XYZ 23.0037, 21.2740, 20.0334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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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