

# Converting Colors

XYZ(23.1572, 20.6647, 20.6567)

Have a look what the booklet for  
XYZ(23.1572, 20.6647, 20.6567)  
contains.

<b>XYZ(23.0385, 20.5861, 20.5286)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(23.0385, 20.5861,  
20.5286)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9B7378
RGB	155, 115, 120
RGB Percent	61%, 45%, 47%
CMY	0.3922, 0.5490, 0.5294
CMYK	0.00, 0.26, 0.23, 0.39
HSL	353°, 17%, 53%
HSV	353°, 26%, 61%
XYZ	23.0385, 20.5861, 20.5286
YIQ	127.5300, 22.2350, 10.0350

# Conversions

## Conversions Part 2

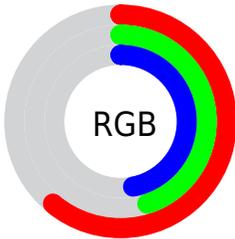
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	155, 115, 120
Decimal	10187640
CIE <sub>Lab</sub>	52.49, 16.52, 3.41
CIE <sub>LCh</sub>	52, 16.869, 11.662
Yxy	20.5861, 0.3591, 0.3209
Android (android.graphics.Color)	4288377720 (0xFF9B7378)
YUV	127.5300, -3.7123, 24.0912
Hunter-Lab	45.3719, 11.2361, 4.9345

# Details

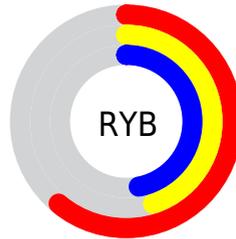
The XYZ color **23.0385, 20.5861, 20.5286** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **24.2975, 29.2901, 33.2285**, and the grayscale version is **20.3627, 21.4232, 23.3299**.

A 20% lighter version of the original color is **47.8435, 44.3176, 45.0623**, and **8.7704, 7.3658, 7.0904** is the 20% darker color. If you saturate the color by 10%, you get **20.6517, 17.0378, 15.9554**, and if you desaturate by 10%, it is **25.8402, 24.7774, 25.8159**.

# Distribution



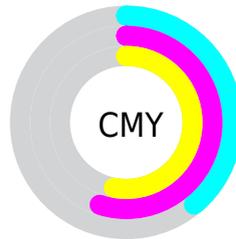
- Red (61%)
- Green (45%)
- Blue (47%)



- Red (61%)
- Yellow (45%)
- Blue (47%)



- Cyan (0%)
- Magenta (26%)
- Yellow (23%)
- Black (39%)



- Cyan (39%)
- Magenta (55%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0385, 20.5861, 20.5286 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 23.0385, 20.5861, 20.5286 by changing the saturation by 10% instead.

 23.0385, 20.5861,  
20.5286

 23.0385, 20.5861,  
20.5286

260.4543,  
255.0706, 267.4608

 14.7428, 12.8218,  
12.5920

 47.9227, 44.3977,  
45.1722

 8.7242, 7.3059,  
7.0208

 65.2420, 61.2137,  
62.7163

 4.6174, 3.6542,  
3.3965

 86.2997, 81.8158,  
84.3000

 2.0570, 1.4821,  
1.3005

 111.4614,  
106.5883, 110.3418

 0.6657, 0.2760,  
0.0622

141.0924,  
135.9157, 141.2602

 0.0000, 0.0000,  
0.0000

175.5579,

170.1822, 177.4738

215.2235,  
209.7724, 219.4012

■ 23.0385, 20.5861,  
20.5286

■ 23.0385, 20.5861,  
20.5286

■ 20.6517, 17.0378,  
15.9554

■ 25.8402, 24.7774,  
25.8159

■ 18.6585, 14.0979,  
12.0645

■ 29.0737, 29.6382,  
31.8448

■ 17.0380, 11.7331,  
8.8232

■ 32.7566, 35.1972,  
38.6430

■ 15.7669, 9.9055,  
6.1962

■ 36.9055, 41.4804,  
46.2362

■ 14.8190, 8.5729,  
4.1442

■ 41.5357, 48.5127,  
54.6491

 14.1646, 7.6865,  
2.6237

 46.6622, 56.3174,  
63.9052

 13.7643, 7.1802,  
1.5834

 52.2990, 64.9173,  
74.0271

 13.6384, 7.0169,  
1.2682

 58.4598, 74.3339,  
85.0365

 65.1576, 84.5879,  
96.9544

# Harmonies

## Analogous

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



22.9260, 20.5861, 25.5748



23.0385, 20.5861, 20.5286



22.1807, 20.5861, 16.6166

# Triad

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



23.0385, 20.5861, 20.5286



17.4205, 20.5861, 15.9772



18.5301, 20.5861, 32.8248

# Complementary

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



23.0385, 20.5861, 20.5286



24.2975, 29.2901, 33.2285

# 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.



17.1662, 20.5861, 29.4255



23.0385, 20.5861, 20.5286



16.5523, 20.5861, 19.5264

# Square

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



23.0385, 20.5861, 20.5286



18.8963, 20.5861, 14.2621



16.4621, 20.5861, 24.4131



20.2523, 20.5861, 33.1996

# Rectangle

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



23.0385, 20.5861, 20.5286



21.2021, 20.5861, 14.9786



16.4621, 20.5861, 24.4131



18.0172, 20.5861, 31.9769

# Sweetspot

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



23.0391, 20.5871, 20.5290



50.6344, 50.9206, 54.3689



24.5642, 21.0815, 33.7850



11.2684, 11.2361, 11.9481



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694



# Same Dimension

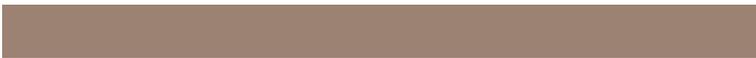
The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.0391, 20.5871, 20.5290



38.6922, 33.0457, 31.8619



24.5511, 24.0839, 19.5755



6.2386, 6.2346, 6.6368



10.9627, 5.6393, 1.0627



0.1710, 0.0872, 0.0536



# Inverse Universe

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



23.0391, 20.5871, 20.5290



38.6922, 33.0457, 31.8619



22.4143, 24.8659, 34.6288



6.2386, 6.2346, 6.6368



10.9627, 5.6393, 1.0627

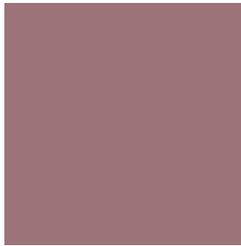


0.1710, 0.0872, 0.0536



# Previews

## White Background



This preview shows how the XYZ color 23.0385, 20.5861, 20.5286 looks on a white background.

## Color Contrast Check

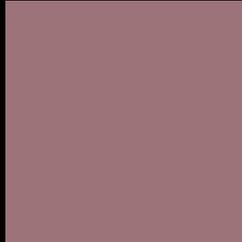
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.0385, 20.5861, 20.5286 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 23.0385, 20.5861, 20.5286**

## **Background**



This preview shows how black text looks on a background with the XYZ color 23.0385, 20.5861, 20.5286.



This preview shows how white text looks on a background with the XYZ color 23.0385, 20.5861,



# 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

23.0385, 20.5861, 20.5286

### Protanopia

20.0016, 20.7628, 22.6921

### Deuteranopia

20.9824, 20.5821, 20.3196



## Tritanopia

23.1100, 20.4333, 21.4649

# Trichromacy



## Original Color

23.0385, 20.5861, 20.5286

## Protanomaly

20.9567, 20.5333, 21.9276

## Deuteranomaly

21.6037, 20.5453, 20.2798

## Tritanomaly

23.0477, 20.4083, 21.1368

# Monochromacy



## Original Color

23.0385, 20.5861, 20.5286

## Achromatopsia

20.5175, 21.5861, 23.5072

## Achromatomaly

21.2659, 21.0499, 22.3442

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 23.0385, 20.5861, 20.5286 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(155, 115, 120)` looks like.

```
.text, #text, p{  
    color:rgb(155, 115, 120)  
}
```

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(155, 115, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 115, 120) }
```

## Border

The CSS property to change the border of an element to XYZ 23.0385, 20.5861, 20.5286 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(155, 115, 120) }
```

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

```
.border{ border-color:rgb(155, 115, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 115, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 115, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 115, 120);  
box-shadow:4px 4px 4px 4px rgb(155, 115,  
120) }
```

# Background

The CSS property to change the background color of an element to XYZ 23.0385, 20.5861, 20.5286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 115, 120) }
```

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

```
.background{ background-color: rgb(155,  
115, 120) }
```

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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