

# Converting Colors

XYZ(23.2142, 30.4413, 20.7967)

Have a look what the booklet for  
XYZ(23.2142, 30.4413, 20.7967)  
contains.

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# Color

**XYZ(23.3106, 30.5791,  
20.8934)**

# Conversions

## Conversions Part 1

Format	Color
Hex	76A173
RGB	118, 161, 115
RGB Percent	46%, 63%, 45%
CMY	0.5373, 0.3686, 0.5490
CMYK	0.27, 0.00, 0.29, 0.37
HSL	116°, 20%, 54%
HSV	116°, 29%, 63%
XYZ	23.3106, 30.5791, 20.8934
YIQ	142.8990, -10.8620, -23.4220

# Conversions

## Conversions Part 2

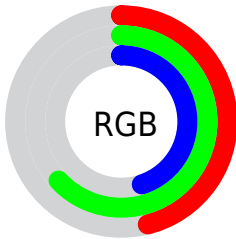
<b>Format</b>	<b>Color</b>
<b>RYB</b>	115, 161, 158
Decimal	7774579
CIELab	62.15, -23.88, 19.38
CIELCh	62, 30.759, 140.934
Yxy	30.5791, 0.3117, 0.4089
Android (android.graphics.Color)	4285964659 (0xFF76A173)
YUV	142.8990, -13.7542, -21.8364
Hunter-Lab	55.2984, -21.5269, 16.3073

# Details

The XYZ color **23.3106, 30.5791, 20.8934** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **26.6656, 22.1047, 36.5810**, and the grayscale version is **26.1250, 27.4856, 29.9318**.

A 20% lighter version of the original color is **48.3255, 60.5597, 45.7014**, and **8.8657, 12.5715, 7.2695** is the 20% darker color. If you saturate the color by 10%, you get **20.5807, 29.2705, 16.3447**, and if you desaturate by 10%, it is **26.5301, 32.1231, 26.3110**.

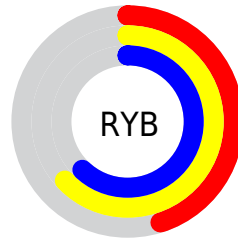
# Distribution



Red (46%)

Green (63%)

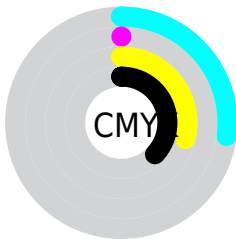
Blue (45%)



Red (45%)

Yellow (63%)

Blue (62%)

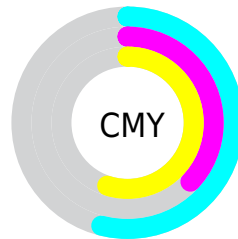


Cyan (27%)

Magenta (0%)

Yellow (29%)

Black (37%)



Cyan (54%)

Magenta (37%)

Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3106, 30.5791, 20.8934 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 23.3106, 30.5791, 20.8934 by changing the saturation by 10% instead.



■ 23.3106, 30.5791,  
20.8934

■ 23.3106, 30.5791,  
20.8934

261.8220,  
304.5945, 269.4738

■ 14.9450, 20.2786,  
12.8556

■ 48.3657, 60.5768,  
45.7885

■ 8.8668, 12.5977,  
7.1996

■ 65.7860, 81.0427,  
63.4830

■ 4.7108, 7.1521,  
3.5069

■ 86.9551, 105.6659,  
85.2334

■ 2.1116, 3.5574,  
1.3589

112.2385,  
134.8308, 111.4583

■ 0.6955, 1.4292,  
0.1094

142.0016,  
168.9217, 142.5763

■ 0.0000, 0.2381,  
0.0000

176.6096,

■ 0.0000, 0.0000,

208.3230, 179.0058

0.0000

216.4279,  
253.4191, 221.1655

■ 23.3106, 30.5791,  
20.8934

■ 23.3106, 30.5791,  
20.8934

■ 20.5807, 29.2705,  
16.3447

■ 26.5301, 32.1231,  
26.3110

■ 18.3141, 28.1822,  
12.6178

■ 30.2590, 33.9093,  
32.6374

■ 16.4859, 27.3032,  
9.6643

■ 34.5190, 35.9488,  
39.9121

■ 15.0675, 26.6200,  
7.4300

■ 39.3298, 38.2510,  
48.1721

■ 14.0272, 26.1175,  
5.8533

■ 44.7099, 40.8247,  
57.4521

■ 13.3286, 25.7786,  
4.8628

■ 50.6773, 43.6785,  
67.7853

■ 12.9189, 25.5789,  
4.3223

■ 57.2489, 46.8204,  
79.2034

■ 12.8769, 25.5587,  
4.2546

■ 64.4412, 50.2582,  
91.7366

■ 71.4698, 53.6793,  
101.2020

# Harmonies

## Analogous

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



26.3115, 30.5791, 16.2164



23.3106, 30.5791, 20.8934



21.8897, 30.5791, 29.8302

# Triad

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



23.3106, 30.5791, 20.8934



27.8279, 30.5791, 61.2706



37.1531, 30.5791, 25.7947

# Complementary

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



23.3106, 30.5791, 20.8934



26.6656, 22.1047, 36.5810

# 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.



37.6573, 30.5791, 37.0191



23.3106, 30.5791, 20.8934



32.0031, 30.5791, 59.4563

# Square

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



23.3106, 30.5791, 20.8934



24.3300, 30.5791, 54.3232



35.6950, 30.5791, 49.8323



34.3765, 30.5791, 18.5437



# Rectangle

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



23.3106, 30.5791, 20.8934



21.9271, 30.5791, 37.8107



35.6950, 30.5791, 49.8323



37.6037, 30.5791, 29.1548

# Sweetspot

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



23.3114, 30.5804, 20.8941



53.7639, 60.5224, 57.7247



30.0093, 33.2474, 21.0558



11.5794, 13.1720, 12.2996



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444



# Same Dimension

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



23.3114, 30.5804, 20.8941



38.6786, 53.2928, 32.2950



24.1846, 30.8833, 27.5844



7.0263, 7.9161, 7.5377



10.2976, 20.4191, 3.3985



0.2285, 0.4353, 0.0720



# Inverse Universe

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



26.6656, 22.1047, 36.5810



45.6398, 35.6902, 64.8700



25.6424, 21.7644, 28.0758



7.3185, 7.1786, 8.9029



15.2706, 7.2788, 27.5299



0.3336, 0.1595, 0.5791



# Previews

## White Background



This preview shows how the XYZ color 23.3106, 30.5791, 20.8934 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 23.3106, 30.5791, 20.8934 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 ✓ Pass

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

**XYZ 23.3106, 30.5791, 20.8934**

## **Background**



This preview shows how black text looks on a background with the XYZ color 23.3106, 30.5791, 20.8934.



This preview shows how white text looks on a background with the XYZ color 23.3106, 30.5791,



# 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

23.3106, 30.5791, 20.8934

### Protanopia

28.4188, 30.5155, 19.1441

### Deuteranopia

30.9822, 30.3924, 21.6861



## Tritanopia

27.2830, 30.4132, 40.9916

# Trichromacy



## Original Color

23.3106, 30.5791, 20.8934

## Protanomaly

26.1573, 30.3008, 19.7992

## Deuteranomaly

27.5028, 29.9907, 21.4788

## Tritanomaly

25.7144, 30.5371, 32.5559

# Monochromacy



## Original Color

23.3106, 30.5791, 20.8934

## Achromatopsia

26.1081, 27.4677, 29.9124

## Achromatomaly

24.9715, 28.5745, 26.3896

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 23.3106, 30.5791, 20.8934 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(118, 161, 115)` looks like.

```
.text, #text, p{  
    color:rgb(118, 161, 115)  
}
```

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(118, 161, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 161, 115) }
```

## Border

The CSS property to change the border of an element to XYZ 23.3106, 30.5791, 20.8934 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(118, 161, 115) }
```



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

```
.border{ border-color:rgb(118, 161, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 161, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 161, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 161, 115);  
box-shadow:4px 4px 4px 4px rgb(118, 161,  
115) }
```

# Background

The CSS property to change the background color of an element to XYZ 23.3106, 30.5791, 20.8934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 161, 115) }
```

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

```
.background{ background-color: rgb(118,  
161, 115) }
```

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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