

Converting Colors

XYZ(23.1099, 31.6696, 20.9023)

Have a look what the booklet for
XYZ(23.1099, 31.6696, 20.9023)
contains.

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Color

**XYZ(23.2290, 31.8668,
20.8462)**

Conversions

Conversions Part 1

Format	Color
Hex	6FA672
RGB	111, 166, 114
RGB Percent	44%, 65%, 45%
CMY	0.5647, 0.3490, 0.5529
CMYK	0.33, 0.00, 0.31, 0.35
HSL	123°, 24%, 54%
HSV	123°, 33%, 65%
XYZ	23.2290, 31.8668, 20.8462
YIQ	143.6270, -16.0880, -27.8320

Conversions

Conversions Part 2

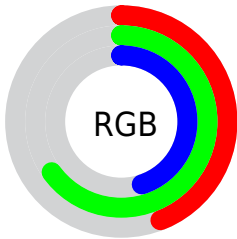
Format	Color
RYB	111, 163, 166
Decimal	7317106
CIELab	63.23, -28.91, 21.34
CIElCh	63, 35.933, 143.572
Yxy	31.8668, 0.3059, 0.4196
Android (android.graphics.Color)	4285507186 (0xFF6FA672)
YUV	143.6270, -14.6061, -28.6139
Hunter-Lab	56.4507, -25.3374, 17.6208

Details

The XYZ color **23.2290, 31.8668, 20.8462** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **28.0222, 22.1208, 37.4443**, and the grayscale version is **26.4214, 27.7973, 30.2713**.

A 20% lighter version of the original color is **48.0492, 62.3586, 45.5803**, and **8.8349, 13.3769, 7.1174** is the 20% darker color. If you saturate the color by 10%, you get **20.5132, 30.5622, 16.4494**, and if you desaturate by 10%, it is **26.4879, 33.4355, 26.0700**.

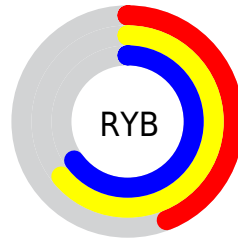
Distribution



Red (44%)

Green (65%)

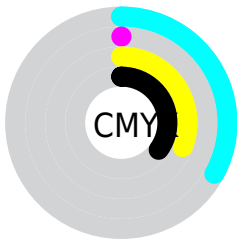
Blue (45%)



Red (44%)

Yellow (64%)

Blue (65%)

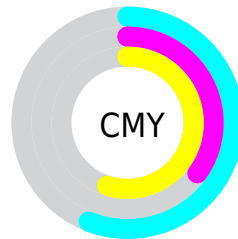


Cyan (33%)

Magenta (0%)

Yellow (31%)

Black (35%)



Cyan (56%)

Magenta (35%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2290, 31.8668, 20.8462 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 23.2290, 31.8668, 20.8462 by changing the saturation by 10% instead.

■ 23.2290, 31.8668,
20.8462

■ 23.2290, 31.8668,
20.8462

261.4124,
310.5120, 269.2141

■ 14.8843, 21.2598,
12.8215

■ 48.2330, 62.6022,
45.7089

■ 8.8240, 13.3140,
7.1765

■ 65.6230, 83.4994,
63.3839

■ 4.6828, 7.6451,
3.4926

■ 86.7588, 108.5954,
85.1128

■ 2.0952, 3.8687,
1.3513

■ 112.0057,
138.2747, 111.3142

■ 0.6866, 1.6004,
0.1033

141.7292,
172.9216, 142.4064

■ 0.0000, 0.3579,
0.0000

176.2946,

■ 0.0000, 0.0000,

212.9205, 178.8081

0.0000

216.0672,
258.6559, 220.9379

■ 23.2290, 31.8668,
20.8462

■ 23.2290, 31.8668,
20.8462

■ 20.5132, 30.5622,
16.4494

■ 26.4879, 33.4355,
26.0700

■ 18.3088, 29.5035,
12.8351

■ 30.3147, 35.2775,
32.1579

■ 16.5843, 28.6764,
9.9583


■ 34.7354, 37.4064,
39.1472


■ 15.3039, 28.0635,
7.7680


■ 39.7739, 39.8336,
47.0726


■ 14.4270, 27.6450,
6.2072


■ 45.4527, 42.5702,
55.9667


 13.9050, 27.3975,
5.2095

 51.7932, 45.6263,
65.8609

 13.6864, 27.2935,
4.8069

 58.8156, 49.0120,
76.7848

 66.5396, 52.7367,
88.7671

 72.9268, 55.7536,
101.5256

Harmonies

Analogous

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



26.6239, 31.8668, 15.1661



23.2290, 31.8668, 20.8462



21.7469, 31.8668, 31.7216

Triad

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



23.2290, 31.8668, 20.8462



29.2307, 31.8668, 69.6367



39.9232, 31.8668, 24.8596

Complementary

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



23.2290, 31.8668, 20.8462



28.0222, 22.1208, 37.4443

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.



40.8165, 31.8668, 37.8540



23.2290, 31.8668, 20.8462



34.2747, 31.8668, 66.3293

Square

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



23.2290, 31.8668, 20.8462



24.9587, 31.8668, 61.7189



38.6503, 31.8668, 53.6278



36.3275, 31.8668, 17.0010

Rectangle

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



23.2290, 31.8668, 20.8462



21.9132, 31.8668, 41.5274



38.6503, 31.8668, 53.6278



40.5647, 31.8668, 28.6608

Sweetspot

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



23.2298, 31.8681, 20.8469



57.2667, 65.1063, 61.9269



31.6623, 36.2346, 20.3644



12.5815, 14.4570, 13.4880



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



23.2298, 31.8681, 20.8469



38.3198, 55.9898, 31.6281



25.0190, 32.5838, 30.2685



7.4527, 8.4141, 8.1042



10.6184, 21.1661, 3.7575



0.2634, 0.5170, 0.1179

Inverse Universe

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



28.0222, 22.1208, 37.4443



48.4165, 35.4465, 66.5905



25.8374, 21.2469, 25.9395



7.8240, 7.6594, 9.3902



16.9158, 8.1750, 25.4320



0.4167, 0.2010, 0.6458

Previews

White Background



This preview shows how the XYZ color 23.2290, 31.8668, 20.8462 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 23.2290, 31.8668, 20.8462 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 23.2290, 31.8668, 20.8462

Background



This preview shows how black text looks on a background with the XYZ color 23.2290, 31.8668, 20.8462.



This preview shows how white text looks on a background with the XYZ color 23.2290, 31.8668,

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

23.2290, 31.8668, 20.8462

Protanopia

29.2449, 31.4317, 18.7129

Deuteranopia

32.1393, 31.4495, 21.5160



Tritanopia

27.7749, 31.8741, 43.2165

Trichromacy



Original Color

23.2290, 31.8668, 20.8462

Protanomaly

26.5485, 31.2595, 19.3863

Deuteranomaly

27.9285, 30.9368, 21.3290

Tritanomaly

25.8966, 31.8942, 33.6455

Monochromacy



Original Color

23.2290, 31.8668, 20.8462

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

24.9776, 29.0555, 26.4821

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2290, 31.8668, 20.8462 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(111, 166, 114)` looks like.

```
.text, #text, p{  
    color:rgb(111, 166, 114)  
}
```

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(111, 166, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 166, 114) }
```

Border

The CSS property to change the border of an element to XYZ 23.2290, 31.8668, 20.8462 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(111, 166, 114) }
```


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

```
.border{ border-color:rgb(111, 166, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 166, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 166, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 166, 114);  
box-shadow:4px 4px 4px 4px rgb(111, 166,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2290, 31.8668, 20.8462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 166, 114) }
```

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

```
.background{ background-color: rgb(111,  
166, 114) }
```

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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