

Converting Colors

XYZ(23.8225, 31.6172, 21.6768)

Have a look what the booklet for
XYZ(23.8225, 31.6172, 21.6768)
contains.

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Color

**XYZ(23.8225, 31.6172,
21.6768)**

Conversions

Conversions Part 1

Format	Color
Hex	75A475
RGB	117, 164, 117
RGB Percent	46%, 64%, 46%
CMY	0.5412, 0.3568, 0.5412
CMYK	0.29, 0.00, 0.29, 0.36
HSL	120°, 21%, 55%
HSV	120°, 29%, 64%
XYZ	23.8225, 31.6172, 21.6768
YIQ	144.5890, -12.9250, -24.5810

Conversions

Conversions Part 2

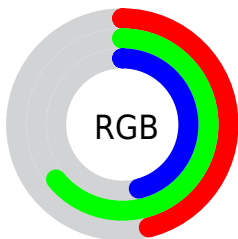
Format	Color
RYB	117, 164, 164
Decimal	7709813
CIELab	63.03, -25.38, 19.47
CIELCh	63, 31.985, 142.506
Yxy	31.6172, 0.3089, 0.4100
Android (android.graphics.Color)	4285899893 (0xFF75A475)
YUV	144.5890, -13.6014, -24.1956
Hunter-Lab	56.2292, -22.7763, 16.5036

Details

The XYZ color **23.8225, 31.6172, 21.6768** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **28.3731, 23.2961, 38.1245**, and the grayscale version is **26.8048, 28.2007, 30.7106**.

A 20% lighter version of the original color is **49.0705, 62.0737, 46.9312**, and **9.1523, 13.1990, 7.5341** is the 20% darker color. If you saturate the color by 10%, you get **20.9278, 30.2277, 16.9413**, and if you desaturate by 10%, it is **27.2739, 33.2760, 27.3215**.

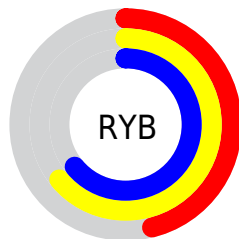
Distribution



Red (46%)

Green (64%)

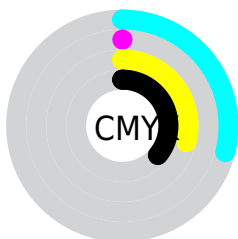
Blue (46%)



Red (46%)

Yellow (64%)

Blue (64%)

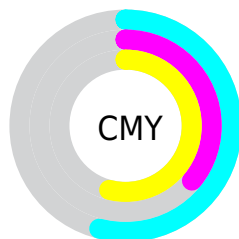


Cyan (29%)

Magenta (0%)

Yellow (29%)

Black (36%)



Cyan (54%)

Magenta (36%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8225, 31.6172, 21.6768 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 23.8225, 31.6172, 21.6768 by changing the saturation by 10% instead.

■ 23.8225, 31.6172,
21.6768

■ 23.8225, 31.6172,
21.6768

264.3790,
309.3718, 273.7520

■ 15.3260, 21.0693,
13.4236

■ 49.1972, 62.2105,
47.1066

■ 9.1363, 13.1747,
7.5867

■ 66.8061, 83.0247,
65.1202

■ 4.8880, 7.5489,
3.7477

■ 88.1832, 108.0297,
87.2243

■ 2.2158, 3.8077,
1.4880

113.6938,
137.6100, 113.8375

■ 0.7510, 1.5666,
0.2089

143.7034,
172.1500, 145.3784

■ 0.0000, 0.3349,
0.0000

178.5772,

■ 0.0000, 0.0000,

212.0340, 182.2654

0.0000

218.6806,
257.6465, 224.9171

■ 23.8225, 31.6172,
21.6768

■ 23.8225, 31.6172,
21.6768

■ 20.9278, 30.2277,
16.9413

■ 27.2739, 33.2760,
27.3215

■ 18.5583, 29.0895,
13.0656

■ 31.3064, 35.2130,
33.9174

■ 16.6834, 28.1889,
9.9988

■ 35.9459, 37.4416,
41.5061

■ 15.2680, 27.5090,
7.6836

■ 41.2160, 39.9731,
50.1262

■ 14.2726, 27.0308,
6.0554

■ 47.1391, 42.8183,
59.8145

■ 13.6510, 26.7323,
5.0387

■ 53.7365, 45.9874,
70.6057

■ 13.3157, 26.5712,
4.4901

■ 61.0285, 49.4901,
82.5330

■ 13.2761, 26.5522,
4.4254

■ 69.0345, 53.3358,
95.6282

■ 72.5661, 55.0322,
101.4054

Harmonies

Analogous

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



26.9258, 31.6172, 16.5340



23.8225, 31.6172, 21.6768



22.4151, 31.6172, 31.3595

Triad

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



23.8225, 31.6172, 21.6768



28.9606, 31.6172, 64.4920



38.5700, 31.6172, 25.9543

Complementary

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



23.8225, 31.6172, 21.6768



28.3731, 23.2961, 38.1245

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.



39.2501, 31.6172, 37.6856



23.8225, 31.6172, 21.6768



33.4095, 31.6172, 62.0326

Square

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



23.8225, 31.6172, 21.6768



25.1873, 31.6172, 57.4671



37.2807, 31.6172, 51.3920



35.5041, 31.6172, 18.5501

Rectangle

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



23.8225, 31.6172, 21.6768



22.5210, 31.6172, 39.9471



37.2807, 31.6172, 51.3920



39.0967, 31.6172, 29.4381

Sweetspot

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



23.8233, 31.6185, 21.6775



56.4243, 63.7228, 60.9095



31.7976, 35.7294, 22.0505



12.1008, 13.8183, 12.9321



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



23.8233, 31.6185, 21.6775



39.9806, 55.8240, 34.0130



25.3831, 32.2424, 29.8911



6.9856, 7.8950, 7.5358



10.1790, 20.3579, 3.3930



0.2139, 0.4278, 0.0713

Inverse Universe

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



28.3731, 23.2961, 38.1245



49.5328, 38.3511, 68.5435



26.4427, 22.5240, 27.9594



7.3644, 7.2022, 8.9051



16.8766, 8.1067, 27.6043



0.3546, 0.1703, 0.5800

Previews

White Background



This preview shows how the XYZ color 23.8225, 31.6172, 21.6768 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 23.8225, 31.6172, 21.6768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

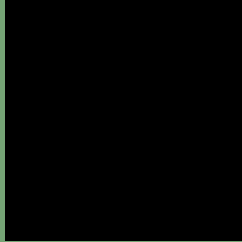
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.8225, 31.6172, 21.6768

Background



This preview shows how black text looks on a background with the XYZ color 23.8225, 31.6172, 21.6768.



This preview shows how white text looks on a background with the XYZ color 23.8225, 31.6172,

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

23.8225, 31.6172, 21.6768

Protanopia

29.2571, 31.4129, 19.8505

Deuteranopia

31.8615, 31.2854, 22.4486



Tritanopia

28.0651, 31.5282, 42.6366

Trichromacy



Original Color

23.8225, 31.6172, 21.6768

Protanomaly

26.7798, 31.1028, 20.5116

Deuteranomaly

28.2990, 31.1071, 22.2821

Tritanomaly

26.3251, 31.5869, 33.9876

Monochromacy



Original Color

23.8225, 31.6172, 21.6768

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

25.5931, 29.3566, 27.2392

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8225, 31.6172, 21.6768 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(117, 164, 117)` looks like.

```
.text, #text, p{  
    color:rgb(117, 164, 117)  
}
```

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(117, 164, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 164, 117) }
```

Border

The CSS property to change the border of an element to XYZ 23.8225, 31.6172, 21.6768 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(117, 164, 117) }
```


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

```
.border{ border-color:rgb(117, 164, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 164, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 164, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 164, 117); box-shadow:4px 4px 4px 4px rgb(117, 164, 117) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8225, 31.6172, 21.6768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 164, 117) }
```

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

```
.background{ background-color: rgb(117,  
164, 117) }
```

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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