

Converting Colors

XYZ(23.2405, 31.8323, 20.0474)

Have a look what the booklet for
XYZ(23.2405, 31.8323, 20.0474)
contains.

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Color

**XYZ(23.3155, 31.9308,
19.9733)**

Conversions

Conversions Part 1

Format	Color
Hex	71A66F
RGB	113, 166, 111
RGB Percent	44%, 65%, 44%
CMY	0.5569, 0.3490, 0.5647
CMYK	0.32, 0.00, 0.33, 0.35
HSL	118°, 24%, 54%
HSV	118°, 33%, 65%
XYZ	23.3155, 31.9308, 19.9733
YIQ	143.8830, -13.9330, -28.3410

Conversions

Conversions Part 2

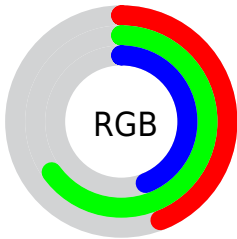
Format	Color
RYB	111, 166, 164
Decimal	7448175
CIELab	63.29, -28.75, 23.06
CIELCh	63, 36.858, 141.269
Yxy	31.9308, 0.3100, 0.4245
Android (android.graphics.Color)	4285638255 (0xFF71A66F)
YUV	143.8830, -16.2113, -27.0844
Hunter-Lab	56.5073, -25.2370, 18.5983

Details

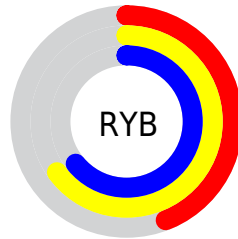
The XYZ color **23.3155, 31.9308, 19.9733** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **27.8785, 22.0155, 38.8580**, and the grayscale version is **26.5300, 27.9116, 30.3958**.

A 20% lighter version of the original color is **48.1932, 62.4642, 44.1671**, and **8.9011, 13.4176, 6.8234** is the 20% darker color. If you saturate the color by 10%, you get **20.6055, 30.6306, 15.5106**, and if you desaturate by 10%, it is **26.5599, 33.4887, 25.3491**.

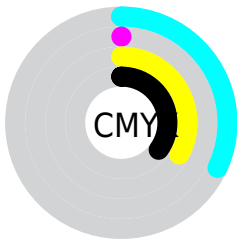
Distribution



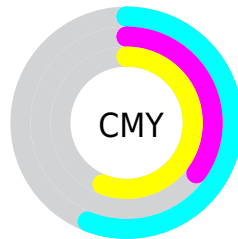
- Red (44%)
- Green (65%)
- Blue (44%)



- Red (44%)
- Yellow (65%)
- Blue (64%)



- Cyan (32%)
- Magenta (0%)
- Yellow (33%)
- Black (35%)



- Cyan (56%)
- Magenta (35%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3155, 31.9308, 19.9733 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 23.3155, 31.9308, 19.9733 by changing the saturation by 10% instead.

■ 23.3155, 31.9308,
19.9733

■ 23.3155, 31.9308,
19.9733

261.8465,
310.8039, 264.3700

■ 14.9486, 21.3086,
12.1918

■ 48.3737, 62.7026,
44.2308

■ 8.8694, 13.3498,
6.7503

■ 65.7958, 83.6210,
61.5438

■ 4.7125, 7.6699,
3.2304

■ 86.9669, 108.7403,
82.8711

■ 2.1126, 3.8844,
1.2134

■ 112.2525,
138.4449, 108.6312

■ 0.6961, 1.6091,
0.0000

142.0179,
173.1192, 139.2425

■ 0.0000, 0.3637,
0.0000

176.6285,

■ 0.0000, 0.0000,

213.1475, 175.1238

0.0000

216.4496,
258.9143, 216.6934

■ 23.3155, 31.9308,
19.9733

■ 23.3155, 31.9308,
19.9733

■ 20.6055, 30.6306,
15.5106

■ 26.5599, 33.4887,
25.3491

■ 18.3988, 29.5705,
11.9083

■ 30.3625, 35.3127,
31.6824

■ 16.6652, 28.7369,
9.1117


■ 34.7487, 37.4161,
39.0176


■ 15.3701, 28.1133,
7.0588


■ 39.7417, 39.8098,
47.3953


■ 14.4741, 27.6811,
5.6787


■ 45.3634, 42.5044,
56.8541


 13.9311, 27.4181,
4.8869

 51.6346, 45.5097,
67.4306

 13.7124, 27.3126,
4.5491

 58.5750, 48.8352,
79.1596

 66.2038, 52.4900,
92.0745

 72.9268, 55.7537,
101.5256

Harmonies

Analogous

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



26.9248, 31.9308, 14.5935



23.3155, 31.9308, 19.9733



21.6414, 31.9308, 30.6707

Triad

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



23.3155, 31.9308, 19.9733



28.8830, 31.9308, 70.6298



40.4505, 31.9308, 25.5311

Complementary

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



23.3155, 31.9308, 19.9733



27.8785, 22.0155, 38.8580

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.



41.1265, 31.9308, 39.2132



23.3155, 31.9308, 19.9733



34.0525, 31.9308, 68.1105

Square

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



23.3155, 31.9308, 19.9733



24.6108, 31.9308, 61.6432



38.6720, 31.9308, 55.4976



36.9169, 31.9308, 17.1199

Rectangle

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



23.3155, 31.9308, 19.9733



21.7017, 31.9308, 40.5575



38.6720, 31.9308, 55.4976



41.0340, 31.9308, 29.5561

Sweetspot

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



23.3163, 31.9322, 19.9740



57.3366, 65.1578, 61.2290



31.7381, 35.5395, 20.2264



12.5989, 14.4699, 13.3144



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.



23.3163, 31.9322, 19.9740



38.4858, 56.1129, 29.9392



24.6189, 32.4238, 28.1613



7.4610, 8.4203, 8.0213



10.6415, 21.1831, 3.5279



0.2666, 0.5193, 0.0862

Inverse Universe

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



27.8785, 22.0155, 38.8580



48.0957, 35.2111, 69.7368



26.2377, 21.4072, 28.0471



7.8146, 7.6525, 9.4836



16.5828, 7.9322, 28.6325



0.4114, 0.1971, 0.6970

Previews

White Background



This preview shows how the XYZ color 23.3155, 31.9308, 19.9733 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 23.3155, 31.9308, 19.9733 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 23.3155, 31.9308, 19.9733

Background



This preview shows how black text looks on a background with the XYZ color 23.3155, 31.9308, 19.9733.



This preview shows how white text looks on a background with the XYZ color 23.3155, 31.9308,

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

23.3155, 31.9308, 19.9733

Protanopia

29.2951, 31.4757, 17.8960

Deuteranopia

32.1958, 31.4989, 20.6026



Tritanopia

27.8897, 31.6791, 43.1728

Trichromacy



Original Color

23.3155, 31.9308, 19.9733

Protanomaly

26.5649, 31.2865, 18.5487

Deuteranomaly

28.1388, 31.0653, 20.4327

Tritanomaly

25.9154, 31.6527, 33.1775

Monochromacy



Original Color

23.3155, 31.9308, 19.9733

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

25.0660, 29.1090, 26.1273

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3155, 31.9308, 19.9733 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(113, 166, 111)` looks like.

```
.text, #text, p{  
    color:rgb(113, 166, 111)  
}
```

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(113, 166, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 166, 111) }
```

Border

The CSS property to change the border of an element to XYZ 23.3155, 31.9308, 19.9733 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(113, 166, 111) }
```


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

```
.border{ border-color:rgb(113, 166, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 166, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 166, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 166, 111);  
box-shadow:4px 4px 4px 4px rgb(113, 166,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3155, 31.9308, 19.9733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 166, 111) }
```

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

```
.background{ background-color: rgb(113,  
166, 111) }
```

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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