

Converting Colors

XYZ(24.1185, 29.5577, 23.1350)

Have a look what the booklet for
XYZ(24.1185, 29.5577, 23.1350)
contains.

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Color

**XYZ(24.2160, 29.7190,
23.1989)**

Conversions

Conversions Part 1

Format	Color
Hex	7F9C7B
RGB	127, 156, 123
RGB Percent	50%, 61%, 48%
CMY	0.5020, 0.3882, 0.5176
CMYK	0.19, 0.00, 0.21, 0.39
HSL	113°, 14%, 55%
HSV	113°, 21%, 61%
XYZ	24.2160, 29.7190, 23.1989
YIQ	143.5670, -6.6910, -16.4110

Conversions

Conversions Part 2

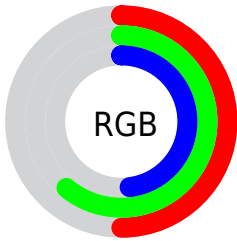
Format	Color
R_{YB}	123, 156, 152
Decimal	8363131
CIE _{Lab}	61.41, -16.69, 14.01
CIE _{LCh}	61, 21.796, 139.987
Yxy	29.7190, 0.3139, 0.3853
Android (android.graphics.Color)	4286553211 (0xFF7F9C7B)
YUV	143.5670, -10.1395, -14.5293
Hunter-Lab	54.5151, -16.1106, 12.9298

Details

The XYZ color **24.2160, 29.7190, 23.1989** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **26.0338, 23.2425, 34.5681**, and the grayscale version is **26.3772, 27.7509, 30.2207**.

A 20% lighter version of the original color is **49.9531, 59.4264, 49.9119**, and **9.3482, 12.1753, 8.3359** is the 20% darker color. If you saturate the color by 10%, you get **21.4116, 28.3781, 18.3698**, and if you desaturate by 10%, it is **27.4555, 31.2679, 28.8620**.

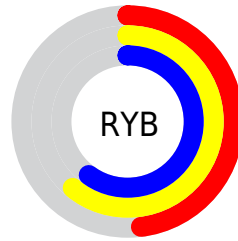
Distribution



Red (50%)

Green (61%)

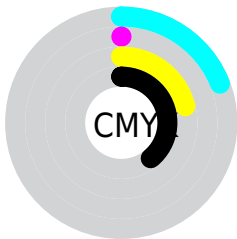
Blue (48%)



Red (48%)

Yellow (61%)

Blue (60%)

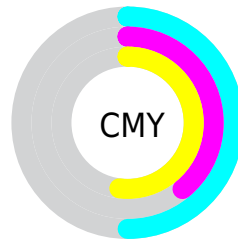


Cyan (19%)

Magenta (0%)

Yellow (21%)

Black (39%)



Cyan (50%)

Magenta (39%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.2160, 29.7190, 23.1989 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 24.2160, 29.7190, 23.1989 by changing the saturation by 10% instead.

■ 24.2160, 29.7190,
23.1989

■ 24.2160, 29.7190,
23.1989

266.3309,
300.5924, 281.8999

■ 15.6195, 19.6254,
14.5338

■ 49.8346, 59.2175,
49.6470

■ 9.3445, 12.1230,
8.3499

■ 67.5874, 79.3912,
68.2671

■ 5.0254, 6.8275,
4.2287

■ 89.1230, 103.6937,
91.0426

■ 2.2971, 3.3545,
1.7516

114.8068,
132.5095, 118.3920

■ 0.7932, 1.3195,
0.3957

145.0042,
166.2228, 150.7339

■ 0.0000, 0.1562,
0.0000

180.0804,

■ 0.0000, 0.0000,

205.2182, 188.4869

0.0000

220.4009,
249.8799, 232.0693

■ 24.2160, 29.7190,
23.1989

■ 24.2160, 29.7190,
23.1989

■ 21.4116, 28.3781,
18.3698

■ 27.4555, 31.2679,
28.8620

■ 19.0214, 27.2328,
14.3335

■ 31.1452, 33.0293,
35.3939

■ 17.0265, 26.2750,
11.0482

■ 35.3022, 35.0120,
42.8296

■ 15.4052, 25.4947,
8.4676

■ 39.9422, 37.2235,
51.2018

■ 14.1340, 24.8807,
6.5401

■ 45.0800, 39.6707,
60.5415

■ 13.1867, 24.4208,
5.2071

■ 50.7299, 42.3604,
70.8781

■ 12.5330, 24.1011,
4.3998

■ 56.9054, 45.2990,
82.2401

■ 12.1558, 23.9156,
3.9755

■ 63.6199, 48.4926,
94.6545

■ 69.5029, 51.3940,
100.8646

Harmonies

Analogous

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



26.3969, 29.7190, 19.6302



24.2160, 29.7190, 23.1989



23.1390, 29.7190, 29.6802

Triad

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



24.2160, 29.7190, 23.1989



27.2955, 29.7190, 50.6157



33.7749, 29.7190, 27.2370

Complementary

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



24.2160, 29.7190, 23.1989



26.0338, 23.2425, 34.5681

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.



34.0563, 29.7190, 35.1942



24.2160, 29.7190, 23.1989



30.1817, 29.7190, 49.6604

Square

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



24.2160, 29.7190, 23.1989



24.8354, 29.7190, 46.0828



32.7022, 29.7190, 43.6594



31.9576, 29.7190, 21.6724

Rectangle

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



24.2160, 29.7190, 23.1989



23.1387, 29.7190, 35.1869



32.7022, 29.7190, 43.6594



34.0568, 29.7190, 29.6867

Sweetspot

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



24.2168, 29.7203, 23.1996



53.1351, 58.3503, 58.1921



28.4501, 30.8262, 23.1899



11.6056, 12.7983, 12.6518



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.



24.2168, 29.7203, 23.1996



41.6765, 52.8750, 38.1463



24.4380, 29.7413, 27.4120



6.6218, 7.4377, 7.0723



10.0291, 19.7069, 3.2752



0.1983, 0.3621, 0.0595

Inverse Universe

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



26.0338, 23.2425, 34.5681



45.5315, 39.1233, 62.2785



25.8207, 23.2452, 29.4724



6.8250, 6.7138, 8.3429



13.4726, 6.3744, 26.4275



0.2610, 0.1243, 0.4735

Previews

White Background



This preview shows how the XYZ color 24.2160, 29.7190, 23.1989 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 24.2160, 29.7190, 23.1989 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 24.2160, 29.7190, 23.1989

Background



This preview shows how black text looks on a background with the XYZ color 24.2160, 29.7190, 23.1989.



This preview shows how white text looks on a background with the XYZ color 24.2160, 29.7190,

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

24.2160, 29.7190, 23.1989

Protanopia

27.8243, 29.6798, 21.7150

Deuteranopia

30.0165, 29.3984, 23.8311



Tritanopia

27.5090, 29.8459, 38.9613

Trichromacy



Original Color

24.2160, 29.7190, 23.1989

Protanomaly

26.3108, 29.6003, 22.0960

Deuteranomaly

27.4618, 29.2181, 23.5943

Tritanomaly

26.0966, 29.7459, 32.3831

Monochromacy



Original Color

24.2160, 29.7190, 23.1989

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

25.5151, 28.3607, 27.4219

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2160, 29.7190, 23.1989 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(127, 156, 123)` looks like.

```
.text, #text, p{  
    color:rgb(127, 156, 123)  
}
```

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(127, 156, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 156, 123) }
```

Border

The CSS property to change the border of an element to XYZ 24.2160, 29.7190, 23.1989 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(127, 156, 123) }
```


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

```
.border{ border-color:rgb(127, 156, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 156, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 156, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 156, 123);  
box-shadow:4px 4px 4px 4px rgb(127, 156,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2160, 29.7190, 23.1989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 156, 123) }
```

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

```
.background{ background-color: rgb(127,  
156, 123) }
```

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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