

Converting Colors

XYZ(23.6118, 30.4644, 21.4539)

Have a look what the booklet for
XYZ(23.6118, 30.4644, 21.4539)
contains.

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Color

**XYZ(23.6668, 30.4909,
21.4676)**

Conversions

Conversions Part 1

Format	Color
Hex	79A075
RGB	121, 160, 117
RGB Percent	47%, 63%, 46%
CMY	0.5255, 0.3725, 0.5412
CMYK	0.24, 0.00, 0.27, 0.37
HSL	114°, 18%, 54%
HSV	114°, 27%, 63%
XYZ	23.6668, 30.4909, 21.4676
YIQ	143.4370, -9.4410, -21.6410

Conversions

Conversions Part 2

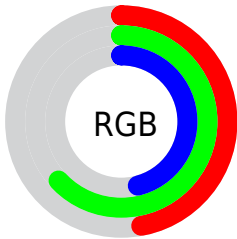
Format	Color
RYB	117, 160, 156
Decimal	7970933
CIELab	62.08, -21.97, 18.21
CIELCh	62, 28.536, 140.352
Yxy	30.4909, 0.3129, 0.4032
Android (android.graphics.Color)	4286161013 (0xFF79A075)
YUV	143.4370, -13.0334, -19.6772
Hunter-Lab	55.2186, -20.1270, 15.6025

Details

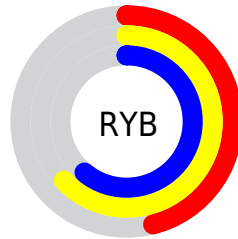
The XYZ color **23.6668, 30.4909, 21.4676** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **26.4182, 22.3295, 36.1770**, and the grayscale version is **26.3371, 27.7086, 30.1747**.

A 20% lighter version of the original color is **48.9174, 60.4641, 46.6286**, and **9.0045, 12.4821, 7.4035** is the 20% darker color. If you saturate the color by 10%, you get **20.9224, 29.1766, 16.8411**, and if you desaturate by 10%, it is **26.8796, 32.0299, 26.9567**.

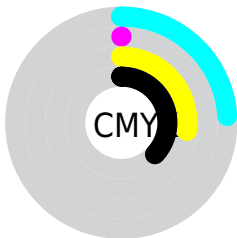
Distribution



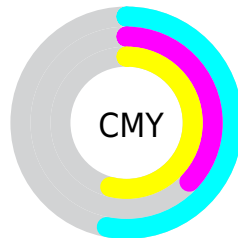
- Red (47%)
- Green (63%)
- Blue (46%)



- Red (46%)
- Yellow (63%)
- Blue (61%)



- Cyan (24%)
- Magenta (0%)
- Yellow (27%)
- Black (37%)



- Cyan (53%)
- Magenta (37%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6668, 30.4909, 21.4676 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 23.6668, 30.4909, 21.4676 by changing the saturation by 10% instead.

■ 23.6668, 30.4909,
21.4676

■ 23.6668, 30.4909,
21.4676

263.6034,
304.1860, 272.6154

■ 15.2100, 20.2115,
13.2717

■ 48.9446, 60.4376,
46.7553

■ 9.0542, 12.5489,
7.4830

■ 66.4963, 80.8738,
64.6842

■ 4.8339, 7.1186,
3.6829

■ 87.8103, 105.4643,
86.6944

■ 2.1839, 3.5364,
1.4531

113.2521,
134.5935, 113.2046

■ 0.7342, 1.4178,
0.1826

143.1869,
168.6459, 144.6332

■ 0.0000, 0.2298,
0.0000

177.9802,

■ 0.0000, 0.0000,

208.0059, 181.3989

0.0000

217.9972,
253.0578, 223.9201

■ 23.6668, 30.4909,
21.4676

■ 23.6668, 30.4909,
21.4676

■ 20.9224, 29.1766,
16.8411

■ 26.8796, 32.0299,
26.9567

■ 18.6223, 28.0728,
13.0316

■ 30.5787, 33.7993,
33.3470

■ 16.7437, 27.1696,
9.9921


■ 34.7843, 35.8094,
40.6771

■ 15.2608, 26.4550,
7.6702


■ 39.5142, 38.0688,
48.9831


■ 14.1450, 25.9155,
6.0069


■ 44.7859, 40.5858,
58.2987


 13.3640, 25.5358,
4.9340


 50.6157, 43.3679,
68.6563

 12.8755, 25.2964,
4.3476

 57.0194, 46.4228,
80.0869

 12.7665, 25.2434,
4.1996

 64.0120, 49.7574,
92.6201

 70.6262, 52.9860,
101.1127

Harmonies

Analogous

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



26.4916, 30.4909, 17.0777



23.6668, 30.4909, 21.4676



22.3034, 30.4909, 29.7851

Triad

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



23.6668, 30.4909, 21.4676



27.7626, 30.4909, 58.6673



36.4568, 30.4909, 26.3845

Complementary

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



23.6668, 30.4909, 21.4676



26.4182, 22.3295, 36.1770

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.



36.8731, 30.4909, 36.8652



23.6668, 30.4909, 21.4676



31.6210, 30.4909, 57.1899

Square

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



23.6668, 30.4909, 21.4676



24.5266, 30.4909, 52.2542



35.0358, 30.4909, 48.5757



33.9438, 30.4909, 19.4517

Rectangle

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



23.6668, 30.4909, 21.4676



22.3166, 30.4909, 37.1397



35.0358, 30.4909, 48.5757



36.8547, 30.4909, 29.5482

Sweetspot

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



23.6676, 30.4922, 21.4683



54.6103, 60.9320, 58.9683



29.5476, 32.4358, 21.5335



11.7568, 13.2581, 12.5515



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.



23.6676, 30.4922, 21.4683



40.0087, 53.9429, 33.9686



24.2250, 30.6517, 27.2679



6.6051, 7.4291, 7.0715



9.9626, 19.6726, 3.2721



0.1929, 0.3594, 0.0592

Inverse Universe

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



26.4182, 22.3295, 36.1770



45.8174, 36.6898, 65.0535



25.8024, 22.1741, 28.8284



6.8433, 6.7232, 8.3437



14.0754, 6.6851, 26.4557



0.2676, 0.1277, 0.4738

Previews

White Background



This preview shows how the XYZ color 23.6668, 30.4909, 21.4676 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 23.6668, 30.4909, 21.4676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

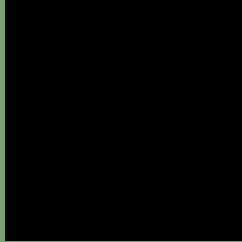
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.6668, 30.4909, 21.4676

Background



This preview shows how black text looks on a background with the XYZ color 23.6668, 30.4909, 21.4676.



This preview shows how white text looks on a background with the XYZ color 23.6668, 30.4909, 21.4676.

21.4676.

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

23.6668, 30.4909, 21.4676

Protanopia

28.1693, 30.1383, 19.6618

Deuteranopia

30.8190, 30.3013, 21.9937



Tritanopia

27.4918, 30.5315, 40.5206

Trichromacy



Original Color

23.6668, 30.4909, 21.4676

Protanomaly

26.2826, 30.1084, 20.3458

Deuteranomaly

27.7537, 30.1132, 21.8024

Tritanomaly

25.8379, 30.3507, 32.5134

Monochromacy



Original Color

23.6668, 30.4909, 21.4676

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

25.0422, 28.3670, 26.7098

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6668, 30.4909, 21.4676 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(121, 160, 117)` looks like.

```
.text, #text, p{  
    color:rgb(121, 160, 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(121, 160, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 160, 117) }
```

Border

The CSS property to change the border of an element to XYZ 23.6668, 30.4909, 21.4676 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(121, 160, 117) }
```


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

```
.border{ border-color:rgb(121, 160, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 160, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(121, 160, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(121, 160, 117); box-shadow:4px 4px 4px 4px rgb(121, 160, 117) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6668, 30.4909, 21.4676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 160, 117) }
```

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

```
.background{ background-color: rgb(121,  
160, 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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