

Converting Colors

XYZ(19.7009, 23.0013, 20.6223)

Have a look what the booklet for
XYZ(19.7009, 23.0013, 20.6223)
contains.

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Color

**XYZ(19.6869, 23.0509,
20.5512)**

Conversions

Conversions Part 1

Format	Color
Hex	768976
RGB	118, 137, 118
RGB Percent	46%, 54%, 46%
CMY	0.5373, 0.4627, 0.5373
CMYK	0.14, 0.00, 0.14, 0.46
HSL	120°, 7%, 50%
HSV	120°, 14%, 54%
XYZ	19.6869, 23.0509, 20.5512
YIQ	129.1530, -5.2250, -9.9370

Conversions

Conversions Part 2

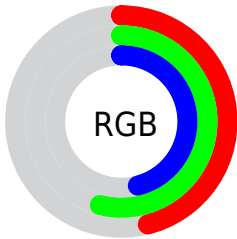
Format	Color
RYB	118, 137, 137
Decimal	7768438
CIELab	55.12, -10.74, 7.90
CIElCh	55, 13.333, 143.640
Yxy	23.0509, 0.3111, 0.3642
Android (android.graphics.Color)	4285958518 (0xFF768976)
YUV	129.1530, -5.4984, -9.7812
Hunter-Lab	48.0114, -10.8265, 8.2289

Details

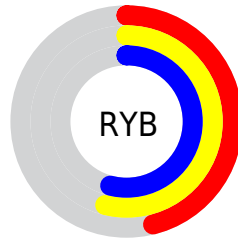
The XYZ color **19.6869, 23.0509, 20.5512** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.3112, 20.0819, 26.4210**, and the grayscale version is **20.9404, 22.0309, 23.9916**.

A 20% lighter version of the original color is **42.2467, 48.2752, 45.1216**, and **6.9679, 8.5238, 7.0724** is the 20% darker color. If you saturate the color by 10%, you get **17.2040, 21.8589, 16.4895**, and if you desaturate by 10%, it is **22.5596, 24.4315, 25.2495**.

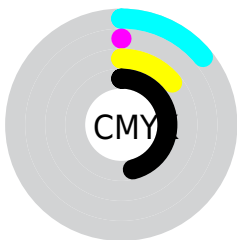
Distribution



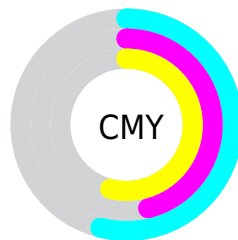
- Red (46%)
- Green (54%)
- Blue (46%)



- Red (46%)
- Yellow (54%)
- Blue (54%)



- Cyan (14%)
- Magenta (0%)
- Yellow (14%)
- Black (46%)



- Cyan (54%)
- Magenta (46%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6869, 23.0509, 20.5512 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 19.6869, 23.0509, 20.5512 by changing the saturation by 10% instead.

■ 19.6869, 23.0509,
20.5512

■ 19.6869, 23.0509,
20.5512

243.0810,
267.9863, 267.5859

■ 12.2746, 14.6311,
12.6083

■ 42.3996, 48.4769,
45.2105

■ 7.0045, 8.5609,
7.0318

■ 58.4307, 66.2519,
62.7639

■ 3.5113, 4.4559,
3.4033

■ 78.0654, 87.9140,
84.3579

■ 1.4295, 1.9317,
1.3041

101.6691,
113.8478, 110.4111

■ 0.2771, 0.5673,
0.0651

129.6072,
144.4375, 141.3419

■ 0.0000, 0.0000,
0.0000

162.2450,

180.0675, 177.5690

199.9478,
221.1223, 219.5108

■ 19.6869, 23.0509,
20.5512

■ 19.6869, 23.0509,
20.5512

■ 17.2040, 21.8589,
16.4895

■ 22.5596, 24.4315,
25.2495

■ 15.0923, 20.8446,
13.0355

■ 25.8359, 26.0053,
30.6084

■ 13.3347, 20.0003,
10.1605

■ 29.5312, 27.7803,
36.6527

■ 11.9116, 19.3167,
7.8328

■ 33.6596, 29.7634,
43.4054

■ 10.8020, 18.7837,
6.0177

■ 38.2345, 31.9609,
50.8884

■ 9.9821, 18.3899,
4.6766

■ 43.2687, 34.3791,
59.1226

■ 9.4250, 18.1223,
3.7653

■ 48.7745, 37.0238,
68.1283

■ 9.0973, 17.9648,
3.2293

■ 54.7637, 39.9008,
77.9247

■ 8.9461, 17.8922,
2.9821

■ 61.2479, 43.0155,
88.5306

Harmonies

Analogous

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



20.7828, 23.0509, 18.3211



19.6869, 23.0509, 20.5512



19.1893, 23.0509, 24.2025

Triad

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



19.6869, 23.0509, 20.5512



21.5941, 23.0509, 34.1455



24.6335, 23.0509, 21.9568

Complementary

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



19.6869, 23.0509, 20.5512



21.3112, 20.0819, 26.4210

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.



24.8747, 23.0509, 26.0163



19.6869, 23.0509, 20.5512



23.0755, 23.0509, 33.3698

Square

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



19.6869, 23.0509, 20.5512



20.2578, 23.0509, 32.2853



24.2927, 23.0509, 30.2715



23.6479, 23.0509, 19.0662

Rectangle

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



19.6869, 23.0509, 20.5512



19.2471, 23.0509, 27.0790



24.2927, 23.0509, 30.2715



24.8061, 23.0509, 23.2170

Sweetspot

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



19.6875, 23.0519, 20.5517



40.2783, 43.6926, 45.0189



22.5332, 24.5189, 20.6848



8.9515, 9.7603, 9.9623



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



19.6875, 23.0519, 20.5517



33.6185, 40.4935, 34.1257



20.2810, 23.2893, 23.6770



4.9719, 5.6082, 5.3729



8.3329, 16.6657, 2.7777



0.0554, 0.1107, 0.0185

Inverse Universe

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



21.3112, 20.0819, 26.4210



37.1754, 33.9872, 46.9837



20.6592, 19.8211, 22.9877



5.2339, 5.1290, 6.3200



13.8157, 6.6364, 22.5977



0.0918, 0.0441, 0.1501

Previews

White Background



This preview shows how the XYZ color 19.6869, 23.0509, 20.5512 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 19.6869, 23.0509, 20.5512 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

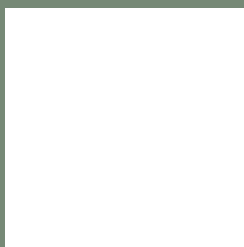
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.6869, 23.0509, 20.5512

Background



This preview shows how black text looks on a background with the XYZ color 19.6869, 23.0509, 20.5512.



This preview shows how white text looks on a background with the XYZ color 19.6869, 23.0509,

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

19.6869, 23.0509, 20.5512

Protanopia

21.6920, 22.8737, 19.4914

Deuteranopia

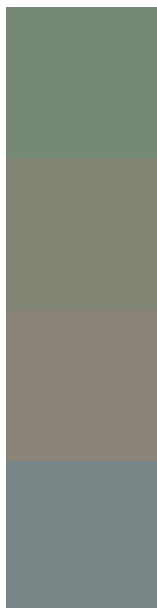
23.3740, 22.9244, 20.9622



Tritanopia

21.4476, 22.9262, 29.6804

Trichromacy



Original Color

19.6869, 23.0509, 20.5512

Protanomaly

20.9000, 22.8613, 19.8341

Deuteranomaly

21.9273, 22.9678, 20.7303

Tritanomaly

20.7834, 22.8644, 26.2395

Monochromacy



Original Color

19.6869, 23.0509, 20.5512

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.4104, 22.3432, 22.6390

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6869, 23.0509, 20.5512 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(118, 137, 118)` looks like.

```
.text, #text, p{  
    color:rgb(118, 137, 118)  
}
```

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(118, 137, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 137, 118) }
```

Border

The CSS property to change the border of an element to XYZ 19.6869, 23.0509, 20.5512 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(118, 137, 118) }
```


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

```
.border{ border-color:rgb(118, 137, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 137, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 137, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 137, 118);  
box-shadow:4px 4px 4px 4px rgb(118, 137,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6869, 23.0509, 20.5512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 137, 118) }
```

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

```
.background{ background-color: rgb(118,  
137, 118) }
```

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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