

Converting Colors

XYZ(19.5096, 23.0447, 7.1612)

Have a look what the booklet for
XYZ(19.5096, 23.0447, 7.1612)
contains.

XYZ(19.5096, 23.0447, 7.1612)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.5096, 23.0447,
7.1612)**

Conversions

Conversions Part 1

Format	Color
Hex	878838
RGB	135, 136, 56
RGB Percent	53%, 53%, 22%
CMY	0.4706, 0.4667, 0.7804
CMYK	0.01, 0.00, 0.59, 0.47
HSL	61°, 42%, 38%
HSV	61°, 59%, 53%
XYZ	19.5096, 23.0447, 7.1612
YIQ	126.5810, 25.0840, -25.0920

Conversions

Conversions Part 2

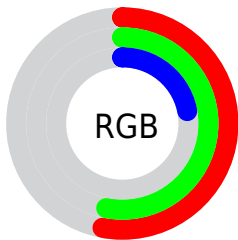
Format	Color
RYB	56, 136, 57
Decimal	8882232
CIELab	55.12, -11.60, 41.89
CIELCh	55, 43.464, 105.480
Yxy	23.0447, 0.3924, 0.4635
Android (android.graphics.Color)	4287072312 (0xFF878838)
YUV	126.5810, -34.7964, 7.3835
Hunter-Lab	48.0049, -11.4646, 24.7588

Details

The XYZ color **19.5096, 23.0447, 7.1612** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **7.5462, 5.4763, 23.9532**, and the grayscale version is **20.1390, 21.1878, 23.0735**.

A 20% lighter version of the original color is **42.0343, 48.3829, 20.7591**, and **6.9060, 8.4990, 1.3339** is the 20% darker color. If you saturate the color by 10%, you get **19.1940, 22.9161, 5.6400**, and if you desaturate by 10%, it is **19.9168, 23.2116, 9.1594**.

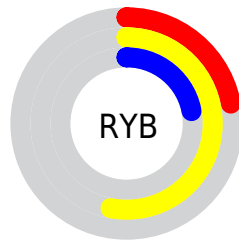
Distribution



Red (53%)

Green (53%)

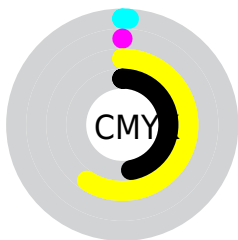
Blue (22%)



Red (22%)

Yellow (53%)

Blue (22%)

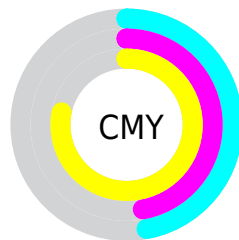


Cyan (1%)

Magenta (0%)

Yellow (59%)

Black (47%)



Cyan (47%)

Magenta (47%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5096, 23.0447, 7.1612 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 19.5096, 23.0447, 7.1612 by changing the saturation by 10% instead.

■ 19.5096, 23.0447,
7.1612

■ 19.5096, 23.0447,
7.1612

242.1323,
267.9545, 178.6779

■ 12.1453, 14.6265,
3.4831

■ 42.1037, 48.4667,
20.8151

■ 6.9156, 8.5577,
1.3463

■ 58.0642, 66.2393,
31.6281

■ 3.4552, 4.4538,
0.0993

■ 77.6207, 87.8989,
45.6565

■ 1.3988, 1.9305,
0.0000

■ 101.1387,
113.8298, 63.3188

■ 0.2554, 0.5666,
0.0000

■ 128.9835,
144.4164, 85.0335

■ 0.0000, 0.0000,
0.0000

■ 161.5205,

180.0431, 111.2193

199.1149,
221.0944, 142.2946

■ 19.5096, 23.0447,
7.1612

■ 19.5096, 23.0447,
7.1612

■ 19.1940, 22.9161,
5.6400

■ 19.9168, 23.2116,
9.1594

■ 18.9607, 22.8197,
4.5549

■ 20.4205, 23.4163,
11.6683

■ 18.8017, 22.7529,
3.8603

■ 21.0274, 23.6622,
14.7203

■ 18.6955, 22.7073,
3.4436

■ 21.7430, 23.9516,
18.3446

■ 18.6835, 22.7021,
3.3972

■ 22.5725, 24.2866,
22.5683

■ 23.5208, 24.6691,
27.4169

■ 24.5922, 25.1009,
32.9143

■ 25.7913, 25.5838,
39.0833

■ 27.1220, 26.1193,
45.9454

Harmonies

Analogous

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



24.3233, 23.0447, 7.1112



19.5096, 23.0447, 7.1612



15.9094, 23.0447, 10.6476

Triad

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



19.5096, 23.0447, 7.1612



15.9986, 23.0447, 49.3297



32.2171, 23.0447, 32.3939

Complementary

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



19.5096, 23.0447, 7.1612



7.5462, 5.4763, 23.9532

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.



29.2403, 23.0447, 48.8356



19.5096, 23.0447, 7.1612



19.6494, 23.0447, 60.7993

Square

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



19.5096, 23.0447, 7.1612



14.0955, 23.0447, 32.9082



24.4852, 23.0447, 60.5909



32.1649, 23.0447, 18.6228

Rectangle

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



19.5096, 23.0447, 7.1612



14.4732, 23.0447, 15.5672



24.4852, 23.0447, 60.5909



31.5203, 23.0447, 37.8744

Sweetspot

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



19.5101, 23.0458, 7.1617



38.3744, 42.2312, 32.6264



12.2821, 8.3487, 4.7058



8.8068, 9.7478, 7.1482



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.



19.5101, 23.0458, 7.1617



33.6544, 40.3129, 9.1423



14.3427, 20.3819, 6.9198



5.4250, 5.8418, 5.3940



17.6830, 21.4859, 3.2152



0.1184, 0.1432, 0.0214

Inverse Universe

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



7.5462, 5.4763, 23.9532



10.4634, 6.2484, 41.7029



10.6827, 7.0932, 24.1000



4.7801, 4.8951, 6.2987



4.2269, 1.6932, 22.1497



0.0287, 0.0116, 0.1472

Previews

White Background



This preview shows how the XYZ color 19.5096, 23.0447, 7.1612 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 19.5096, 23.0447, 7.1612 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 19.5096, 23.0447, 7.1612

Background



This preview shows how black text looks on a background with the XYZ color 19.5096, 23.0447, 7.1612.



This preview shows how white text looks on a background with the XYZ color 19.5096, 23.0447,

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

19.5096, 23.0447, 7.1612

Protanopia

20.9735, 22.9814, 6.9449

Deuteranopia

23.2273, 22.7695, 7.3084



Tritanopia

23.6343, 23.1130, 27.2603

Trichromacy



Original Color

19.5096, 23.0447, 7.1612

Protanomaly

20.4048, 22.8905, 6.9573

Deuteranomaly

21.7508, 22.7783, 7.2532

Tritanomaly

21.6383, 22.8908, 17.4653

Monochromacy



Original Color

19.5096, 23.0447, 7.1612

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.5375, 21.6507, 15.4612

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5096, 23.0447, 7.1612 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(135, 136, 56)` looks like.

```
.text, #text, p{  
    color:rgb(135, 136, 56)  
}
```

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(135, 136, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 136, 56) }
```

Border

The CSS property to change the border of an element to XYZ 19.5096, 23.0447, 7.1612 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(135, 136, 56) }
```


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

```
.border{ border-color:rgb(135, 136, 56) }
```

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

Here you see how a box with a 4 pixel rgb(135, 136, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 136, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 136, 56);  
box-shadow:4px 4px 4px 4px rgb(135, 136,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5096, 23.0447, 7.1612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 136, 56) }
```

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

```
.background{ background-color: rgb(135,  
136, 56) }
```

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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