

Converting Colors

XYZ(18.9611, 23.6092, 3.9508)

Have a look what the booklet for
XYZ(18.9611, 23.6092, 3.9508)
contains.

XYZ(18.9664, 23.6908, 3.9539)	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(18.9664, 23.6908,
3.9539)**

Conversions

Conversions Part 1

Format	Color
Hex	848C0D
RGB	132, 140, 13
RGB Percent	52%, 55%, 5%
CMY	0.4824, 0.4510, 0.9490
CMYK	0.06, 0.00, 0.91, 0.45
HSL	64°, 83%, 30%
HSV	64°, 91%, 55%
XYZ	18.9664, 23.6908, 3.9539
YIQ	123.1300, 35.9990, -41.1930

Conversions

Conversions Part 2

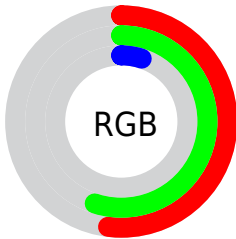
Format	Color
RYB	13, 140, 21
Decimal	8686605
CIELab	55.78, -17.20, 57.52
CIELCh	56, 60.041, 106.649
Yxy	23.6908, 0.4069, 0.5083
Android (android.graphics.Color)	4286876685 (0xFF848C0D)
YUV	123.1300, -54.2941, 7.7790
Hunter-Lab	48.6732, -15.6223, 29.2549

Details

The XYZ color **18.9664, 23.6908, 3.9539** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **5.1875, 2.3412, 24.9910**, and the grayscale version is **19.0359, 20.0273, 21.8097**.

A 20% lighter version of the original color is **41.0450, 49.3257, 13.8361**, and **6.7980, 8.9320, 1.3658** is the 20% darker color. If you saturate the color by 10%, you get **18.7665, 23.5970, 3.5656**, and if you desaturate by 10%, it is **19.2308, 23.8134, 4.6203**.

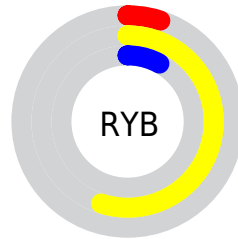
Distribution



Red (52%)

Green (55%)

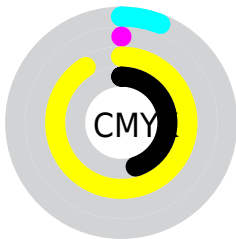
Blue (5%)



Red (5%)

Yellow (55%)

Blue (8%)

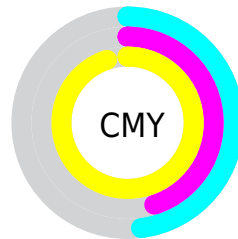


Cyan (6%)

Magenta (0%)

Yellow (91%)

Black (45%)



Cyan (48%)

Magenta (45%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9664, 23.6908, 3.9539 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 18.9664, 23.6908, 3.9539 by changing the saturation by 10% instead.

■ 18.9664, 23.6908,
3.9539

■ 18.9664, 23.6908,
3.9539

239.2049,
271.2535, 147.7116

■ 11.7499, 15.1044,
1.6001

■ 41.1946, 49.5252,
13.9033

■ 6.6446, 8.8927,
0.2909

■ 56.9370, 67.5419,
22.3360

■ 3.2852, 4.6713,
0.0000

■ 76.2521, 89.4709,
33.6320

■ 1.3063, 2.0557,
0.0000

■ 99.5052, 115.6966,
48.2099


■ 0.1879, 0.6395,
0.0000


■ 127.0617,
146.6033, 66.4883


■ 0.0000, 0.0000,
0.0000


■ 159.2869,


182.5754, 88.8857


 196.5461,
223.9973, 115.8206


 18.9664, 23.6908,
3.9539


 18.9664, 23.6908,
3.9539


 18.7665, 23.5970,
3.5656

 19.2308, 23.8134,
4.6203

 19.5730, 23.9665,
5.6931

 20.0034, 24.1549,
7.2237

 20.5302, 24.3821,
9.2560

 21.1607, 24.6508,
11.8286

■ 21.9017, 24.9639,
14.9761

■ 22.7590, 25.3237,
18.7307

■ 23.7384, 25.7324,
23.1217

■ 24.8452, 26.1922,
28.1769

Harmonies

Analogous

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



25.6823, 23.6908, 3.7959



18.9664, 23.6908, 3.9539



14.2666, 23.6908, 7.6528

Triad

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



18.9664, 23.6908, 3.9539



14.6637, 23.6908, 63.8606



37.8327, 23.6908, 35.4726

Complementary

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



18.9664, 23.6908, 3.9539



5.1875, 2.3412, 24.9910

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.



33.4587, 23.6908, 61.1053



18.9664, 23.6908, 3.9539



19.6238, 23.6908, 82.2828

Square

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



18.9664, 23.6908, 3.9539



12.1479, 23.6908, 38.1165



26.4861, 23.6908, 81.0770



37.5574, 23.6908, 16.4644

Rectangle

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



18.9664, 23.6908, 3.9539



12.4987, 23.6908, 13.5921



26.4861, 23.6908, 81.0770



36.8250, 23.6908, 43.7219

Sweetspot

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



18.9669, 23.6919, 3.9544



39.0632, 44.1999, 28.3622



11.1276, 6.0829, 0.9687



8.9024, 10.1432, 6.1073



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



18.9669, 23.6919, 3.9544



33.0333, 41.5738, 6.2835



11.9885, 20.0944, 3.6278



5.4005, 5.8292, 5.3929



16.6800, 20.9688, 3.1683



0.1152, 0.1415, 0.0213

Inverse Universe

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



5.1875, 2.3412, 24.9910



8.4892, 3.4122, 43.9542



8.4326, 4.0141, 25.1429



4.8020, 4.9063, 6.2998



4.3107, 1.7364, 22.1536



0.0320, 0.0133, 0.1473

Previews

White Background



This preview shows how the XYZ color 18.9664, 23.6908, 3.9539 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 18.9664, 23.6908, 3.9539 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 18.9664, 23.6908, 3.9539

Background



This preview shows how black text looks on a background with the XYZ color 18.9664, 23.6908, 3.9539.



This preview shows how white text looks on a background with the XYZ color 18.9664, 23.6908,

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

18.9664, 23.6908, 3.9539

Protanopia

21.3424, 23.6514, 3.7275

Deuteranopia

23.9133, 23.5738, 4.2095



Tritanopia

23.8716, 23.6095, 28.1099

Trichromacy



Original Color

18.9664, 23.6908, 3.9539

Protanomaly

20.3662, 23.5618, 3.7911

Deuteranomaly

21.9042, 23.5252, 4.0958

Tritanomaly

21.0267, 23.2616, 13.9714

Monochromacy



Original Color

18.9664, 23.6908, 3.9539

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.0158, 20.7607, 11.2413

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9664, 23.6908, 3.9539 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(132, 140, 13)` looks like.

```
.text, #text, p{  
    color:rgb(132, 140, 13)  
}
```

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(132, 140, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 140, 13) }
```

Border

The CSS property to change the border of an element to XYZ 18.9664, 23.6908, 3.9539 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(132, 140, 13) }
```


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

```
.border{ border-color:rgb(132, 140, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 140, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 140, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 140, 13);  
box-shadow:4px 4px 4px 4px rgb(132, 140,  
13) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9664, 23.6908, 3.9539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 140, 13) }
```

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

```
.background{ background-color: rgb(132,  
140, 13) }
```

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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