

Converting Colors

XYZ(19.4075, 19.6164, 2.8689)

Have a look what the booklet for
XYZ(19.4075, 19.6164, 2.8689)
contains.

XYZ(19.4492, 19.6410, 2.8809)	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(19.4492, 19.6410,
2.8809)**

Conversions

Conversions Part 1

Format	Color
Hex	987604
RGB	152, 118, 4
RGB Percent	60%, 46%, 2%
CMY	0.4039, 0.5372, 0.9843
CMYK	0.00, 0.22, 0.97, 0.40
HSL	46°, 95%, 31%
HSV	46°, 97%, 60%
XYZ	19.4492, 19.6410, 2.8809
YIQ	115.1700, 56.8580, -28.2460

Conversions

Conversions Part 2

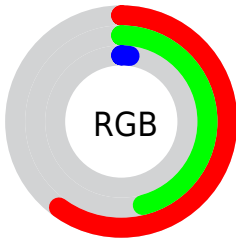
Format	Color
R_YB	48, 152, 4
Decimal	9991684
CIE Lab	51.43, 4.00, 56.66
CIE LCh	51, 56.801, 85.964
Yxy	19.6410, 0.4634, 0.4680
Android (android.graphics.Color)	4288181764 (0xFF987604)
YUV	115.1700, -54.8068, 32.2999
Hunter-Lab	44.3182, 0.7786, 27.1686

Details

The XYZ color **19.4492, 19.6410, 2.8809** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.4108, 3.6793, 30.0777**, and the grayscale version is **16.4972, 17.3564, 18.9011**.

A 20% lighter version of the original color is **41.9662, 42.8563, 11.3704**, and **7.0140, 6.8671, 0.9558** is the 20% darker color. If you saturate the color by 10%, you get **19.3198, 19.4174, 2.7297**, and if you desaturate by 10%, it is **19.9659, 20.5186, 3.5336**.

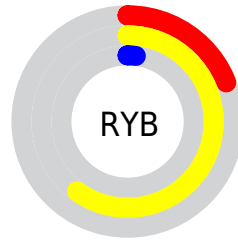
Distribution



Red (60%)

Green (46%)

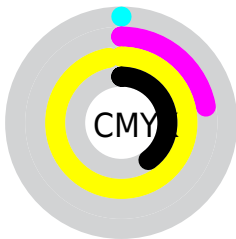
Blue (2%)



Red (19%)

Yellow (60%)

Blue (2%)

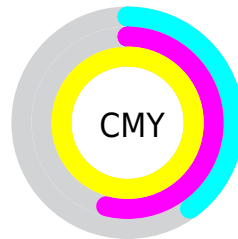


Cyan (0%)

Magenta (22%)

Yellow (97%)

Black (40%)



Cyan (40%)

Magenta (54%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4492, 19.6410, 2.8809 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 19.4492, 19.6410, 2.8809 by changing the saturation by 10% instead.

■ 19.4492, 19.6410,
2.8809

■ 19.4492, 19.6410,
2.8809

241.8083,
249.9650, 134.8290

■ 12.1012, 12.1344,
1.0341

■ 42.0028, 42.8145,
11.3331

■ 6.8853, 6.8352,
0.0000

■ 57.9392, 59.2501,
18.7756

■ 3.4362, 3.3593,
0.0000

■ 77.4690, 79.4308,
28.9205

■ 1.3884, 1.3221,
0.0000

■ 100.9577,
103.7410, 42.1863


■ 0.2479, 0.1582,
0.0000


■ 128.7707,
132.5652, 58.9915


■ 0.0000, 0.0000,
0.0000


■ 161.2732,


166.2876, 79.7546


 198.8306,
205.2927, 104.8943


 19.4492, 19.6410,
2.8809


 19.4492, 19.6410,
2.8809


 19.3198, 19.4174,
2.7297

 19.9659, 20.5186,
3.5336

 20.5754, 21.4572,
4.6017

 21.2978, 22.4658,
6.1873

 22.1446, 23.5493,
8.3503

 23.1256, 24.7118,
11.1420

■ 24.2497, 25.9572,
14.6082

■ 25.5249, 27.2888,
18.7905

■ 26.9585, 28.7099,
23.7269

■ 28.5575, 30.2234,
29.4529

Harmonies

Analogous

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



25.4889, 19.6410, 4.5074



19.4492, 19.6410, 2.8809



14.2746, 19.6410, 3.7703

Triad

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



19.4492, 19.6410, 2.8809



10.4555, 19.6410, 38.2541



29.2865, 19.6410, 44.1660

Complementary

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



19.4492, 19.6410, 2.8809



6.4108, 3.6793, 30.0777

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.



23.8817, 19.6410, 63.7606



19.4492, 19.6410, 2.8809



13.1877, 19.6410, 59.2986

Square

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



19.4492, 19.6410, 2.8809



9.7403, 19.6410, 19.2544



17.9084, 19.6410, 70.3693



31.8530, 19.6410, 23.6687

Rectangle

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



19.4492, 19.6410, 2.8809



11.8534, 19.6410, 6.1589



17.9084, 19.6410, 70.3693



27.6940, 19.6410, 51.4126

Sweetspot

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



19.4496, 19.6420, 2.8813



44.5354, 47.6372, 31.4305



13.3509, 6.9058, 2.5090



9.9187, 10.6157, 6.4732



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



19.4496, 19.6420, 2.8813



33.9624, 33.9954, 4.7717



18.0004, 25.9449, 4.1743



6.5886, 6.9822, 6.6063



16.2235, 16.3293, 2.2968



0.2689, 0.2969, 0.0431

Inverse Universe

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



6.4108, 3.6793, 30.0777



10.9460, 5.8862, 52.9929



6.7271, 2.8779, 29.9063



5.9939, 6.2452, 7.8185



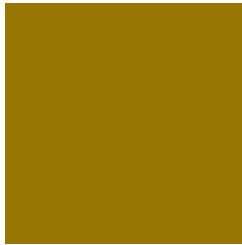
5.2745, 2.9456, 25.1983



0.1028, 0.0920, 0.3847

Previews

White Background



This preview shows how the XYZ color 19.4492, 19.6410, 2.8809 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 19.4492, 19.6410, 2.8809 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 19.4492, 19.6410, 2.8809

Background



This preview shows how black text looks on a background with the XYZ color 19.4492, 19.6410, 2.8809.



This preview shows how white text looks on a background with the XYZ color 19.4492, 19.6410,

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

19.4492, 19.6410, 2.8809

Protanopia

17.7742, 19.6724, 3.0901

Deuteranopia

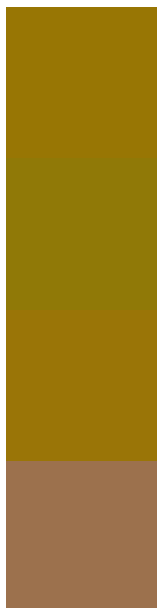
19.9227, 19.7087, 2.9838



Tritanopia

22.9465, 19.7290, 19.7382

Trichromacy



Original Color

19.4492, 19.6410, 2.8809

Protanomaly

18.3773, 19.6194, 3.0193

Deuteranomaly

19.7261, 19.6079, 2.9460

Tritanomaly

20.9550, 19.4140, 9.6640

Monochromacy



Original Color

19.4492, 19.6410, 2.8809

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.4175, 17.5880, 9.1861

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4492, 19.6410, 2.8809 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(152, 118, 4)` looks like.

```
.text, #text, p{  
    color:rgb(152, 118, 4)  
}
```

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(152, 118, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 118, 4) }
```

Border

The CSS property to change the border of an element to XYZ 19.4492, 19.6410, 2.8809 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(152, 118, 4) }
```


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

```
.border{ border-color:rgb(152, 118, 4) }
```

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

Here you see how a box with a 4 pixel rgb(152, 118, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 118, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 118, 4);  
box-shadow:4px 4px 4px 4px rgb(152, 118,  
4) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4492, 19.6410, 2.8809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 118, 4) }
```

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

```
.background{ background-color: rgb(152,  
118, 4) }
```

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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