

Converting Colors

XYZ(19.1669, 20.2361, 0.0000)

Have a look what the booklet for
XYZ(19.1669, 20.2361, 0.0000)
contains.

XYZ(19.7220, 20.4984, 2.9171)	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(19.7220, 20.4984,
2.9171)**

Conversions

Conversions Part 1

Format	Color
Hex	977A00
RGB	151, 122, 0
RGB Percent	59%, 48%, 0%
CMY	0.4078, 0.5216, 1.0000
CMYK	0.00, 0.19, 1.00, 0.41
HSL	48°, 100%, 30%
HSV	48°, 100%, 59%
XYZ	19.7220, 20.4984, 2.9171
YIQ	116.7630, 56.4460, -31.7940

Conversions

Conversions Part 2

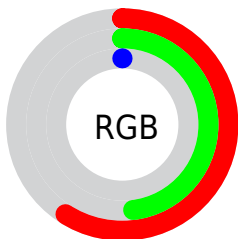
Format	Color
R_{YB}	36, 151, 0
Decimal	9927168
CIE Lab	52.40, 1.20, 58.08
CIE LCh	52, 58.092, 88.816
Yxy	20.4984, 0.4572, 0.4752
Android (android.graphics.Color)	4288117248 (0xFF977A00)
YUV	116.7630, -57.5642, 30.0258
Hunter-Lab	45.2752, -1.4764, 27.8725

Details

The XYZ color **19.7220, 20.4984, 2.9171** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.0253, 3.1132, 29.5611**, and the grayscale version is **16.9961, 17.8812, 19.4727**.

A 20% lighter version of the original color is **42.4139, 44.2208, 11.4543**, and **7.2726, 7.3844, 1.0420** is the 20% darker color. If you saturate the color by 10%, you get **19.7223, 20.4991, 2.9172**, and if you desaturate by 10%, it is **20.1708, 21.2570, 3.4958**.

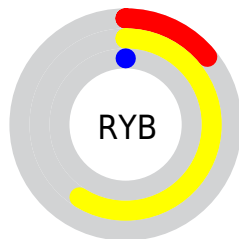
Distribution



Red (59%)

Green (48%)

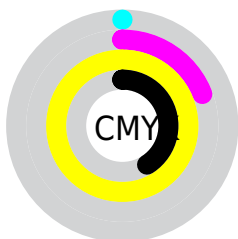
Blue (0%)



Red (14%)

Yellow (59%)

Blue (0%)

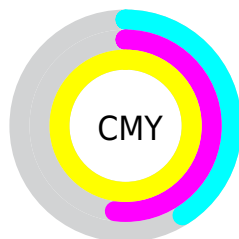


Cyan (0%)

Magenta (19%)

Yellow (100%)

Black (41%)



Cyan (41%)

Magenta (52%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7220, 20.4984, 2.9171 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 19.7220, 20.4984, 2.9171 by changing the saturation by 10% instead.

■ 19.7220, 20.4984,
2.9171

■ 19.7220, 20.4984,
2.9171

243.2685,
254.6006, 135.2977

■ 12.3002, 12.7578,
1.0525

■ 42.4581, 44.2512,
11.4232

■ 7.0221, 7.2620,
0.0000

■ 58.5031, 61.0323,
18.9017

■ 3.5224, 3.6265,
0.0000

■ 78.1533, 81.5956,
29.0886

■ 1.4357, 1.4669,
0.0000

■ 101.7740,
106.3257, 42.4024


■ 0.2814, 0.2653,
0.0000


■ 129.7304,
135.6068, 59.2617


■ 0.0000, 0.0000,
0.0000


■ 162.3881,


169.8234, 80.0850


 200.1124,
209.3599, 105.2908


 19.7220, 20.4984,
2.9171


 19.7220, 20.4984,
2.9171


 19.7223, 20.4991,
2.9172

 20.1708, 21.2570,
3.4958

 20.6929, 22.0612,
4.4098

 21.3184, 22.9241,
5.8149

 22.0591, 23.8504,
7.7725

 22.9249, 24.8444,
10.3351

■ 23.9247, 25.9097,
13.5489

■ 25.0666, 27.0496,
17.4557

■ 26.3579, 28.2673,
22.0939

■ 27.8054, 29.5656,
27.4989

Harmonies

Analogous

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



26.0757, 20.4984, 4.3224



19.7220, 20.4984, 2.9171



14.4423, 20.4984, 4.0983

Triad

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



19.7220, 20.4984, 2.9171



11.0339, 20.4984, 42.2919



31.0907, 20.4984, 44.1249

Complementary

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



19.7220, 20.4984, 2.9171



6.0253, 3.1132, 29.5611

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.



25.5785, 20.4984, 65.4880



19.7220, 20.4984, 2.9171



14.1074, 20.4984, 64.1014

Square

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



19.7220, 20.4984, 2.9171



10.0878, 20.4984, 21.6448



19.2462, 20.4984, 74.2054



33.4154, 20.4984, 23.0076

Rectangle

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



19.7220, 20.4984, 2.9171



12.0371, 20.4984, 6.8832



19.2462, 20.4984, 74.2054



29.5001, 20.4984, 51.8460

Sweetspot

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



19.7225, 20.4994, 2.9175



44.7605, 48.3158, 30.8014



12.9994, 6.6742, 1.8452



9.9875, 10.7985, 6.3561



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.



19.7225, 20.4994, 2.9175



35.1933, 36.4572, 5.1821



16.9750, 25.1789, 3.9655



6.6081, 7.0212, 6.6128



16.7981, 17.4785, 2.4883



0.2741, 0.3073, 0.0449

Inverse Universe

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



6.0253, 3.1132, 29.5611



10.6874, 5.3689, 52.9067



6.6816, 2.7993, 29.4660



5.9757, 6.2089, 7.8124



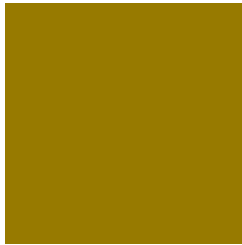
5.1425, 2.6816, 25.1543



0.0976, 0.0816, 0.3830

Previews

White Background



This preview shows how the XYZ color 19.7220, 20.4984, 2.9171 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 19.7220, 20.4984, 2.9171 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 19.7220, 20.4984, 2.9171

Background



This preview shows how black text looks on a background with the XYZ color 19.7220, 20.4984, 2.9171.

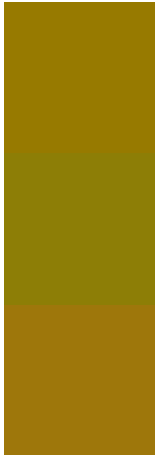


This preview shows how white text looks on a background with the XYZ color 19.7220, 20.4984,

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

19.7220, 20.4984, 2.9171

Protanopia

18.4782, 20.5976, 3.1741

Deuteranopia

20.7578, 20.4869, 3.1769



Tritanopia

23.3226, 20.3835, 21.1175

Trichromacy



Original Color

19.7220, 20.4984, 2.9171

Protanomaly

19.0326, 20.6957, 3.1064

Deuteranomaly

20.2724, 20.4168, 3.0734

Tritanomaly

21.1381, 20.0094, 9.9558

Monochromacy



Original Color

19.7220, 20.4984, 2.9171

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.8861, 18.3552, 9.1315

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7220, 20.4984, 2.9171 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(151, 122, 0)` looks like.

```
.text, #text, p{  
    color:rgb(151, 122, 0)  
}
```

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(151, 122, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 122, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.7220, 20.4984, 2.9171 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(151, 122, 0) }
```


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

```
.border{ border-color:rgb(151, 122, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 122, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 122, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 122, 0);  
box-shadow:4px 4px 4px 4px rgb(151, 122,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7220, 20.4984, 2.9171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 122, 0) }
```

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

```
.background{ background-color: rgb(151,  
122, 0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor