

Converting Colors

XYZ(20.7142, 22.3231, 0.0000)

Have a look what the booklet for
XYZ(20.7142, 22.3231, 0.0000)
contains.

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Color

**XYZ(21.3678, 22.6691,
3.2494)**

Conversions

Conversions Part 1

Format	Color
Hex	9B8100
RGB	155, 129, 0
RGB Percent	61%, 51%, 0%
CMY	0.3922, 0.4941, 1.0000
CMYK	0.00, 0.17, 1.00, 0.39
HSL	50°, 100%, 30%
HSV	50°, 100%, 61%
XYZ	21.3678, 22.6691, 3.2494
YIQ	122.0680, 56.9050, -34.6070

Conversions

Conversions Part 2

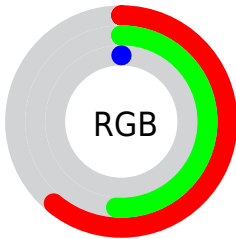
Format	Color
R_{YB}	31, 155, 0
Decimal	10191104
CIE Lab	54.73, -0.84, 59.91
CIE LCh	55, 59.918, 90.807
Yxy	22.6691, 0.4519, 0.4794
Android (android.graphics.Color)	4288381184 (0xFF9B8100)
YUV	122.0680, -60.1795, 28.8814
Hunter-Lab	47.6121, -3.2122, 29.2821

Details

The XYZ color **21.3678, 22.6691, 3.2494** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **6.2859, 3.1056, 31.2781**, and the grayscale version is **18.6993, 19.6731, 21.4240**.

A 20% lighter version of the original color is **44.9776, 47.5991, 12.1272**, and **8.0143, 8.3900, 1.1970** is the 20% darker color. If you saturate the color by 10%, you get **21.3680, 22.6697, 3.2495**, and if you desaturate by 10%, it is **21.8050, 23.3998, 3.8386**.

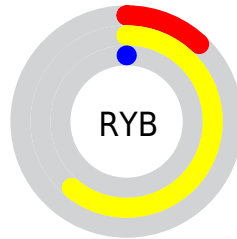
Distribution



Red (61%)

Green (51%)

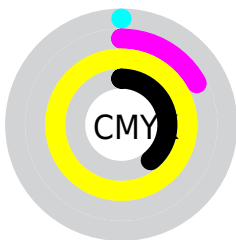
Blue (0%)



Red (12%)

Yellow (61%)

Blue (0%)

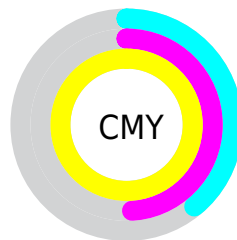


Cyan (0%)

Magenta (17%)

Yellow (100%)

Black (39%)



Cyan (39%)

Magenta (49%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3678, 22.6691, 3.2494 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 21.3678, 22.6691, 3.2494 by changing the saturation by 10% instead.

■ 21.3678, 22.6691,
3.2494

■ 21.3678, 22.6691,
3.2494

251.9216,
266.0208, 139.4763

■ 13.5071, 14.3494,
1.2233

■ 45.1855, 47.8494,
12.2379

■ 7.8581, 8.3641,
0.0000

■ 61.8733, 65.4788,
20.0374

■ 4.0553, 4.3288,
0.0000

■ 82.2341, 86.9802,
30.5985

■ 1.7335, 1.8591,
0.0000

■ 106.6333,
112.7379, 44.3397


■ 0.4771, 0.5236,
0.0000


■ 135.4364,
143.1365, 61.6795


■ 0.0000, 0.0000,
0.0000


■ 169.0085,


178.5602, 83.0365


 207.7151,
219.3935, 108.8293


 21.3678, 22.6691,
3.2494


 21.3678, 22.6691,
3.2494

 21.3680, 22.6697,
3.2495

 21.8050, 23.3998,
3.8386

 22.3181, 24.1740,
4.7868

 22.9384, 25.0053,
6.2553

 23.6783, 25.8986,
8.3098

 24.5484, 26.8583,
11.0062

■ 25.5583, 27.8884,
14.3941

■ 26.7165, 28.9924,
18.5179

■ 28.0308, 30.1734,
23.4186

■ 29.5084, 31.4344,
29.1338

Harmonies

Analogous

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



28.3555, 22.6691, 4.5968



21.3678, 22.6691, 3.2494



15.6729, 22.6691, 4.7660

Triad

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



21.3678, 22.6691, 3.2494



12.3732, 22.6691, 48.3987



34.6482, 22.6691, 47.0210

Complementary

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



21.3678, 22.6691, 3.2494



6.2859, 3.1056, 31.2781

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.



28.7295, 22.6691, 70.9743



21.3678, 22.6691, 3.2494



15.9250, 22.6691, 72.0160

Square

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



21.3678, 22.6691, 3.2494



11.1765, 22.6691, 25.1990



21.7258, 22.6691, 81.8618



36.9087, 22.6691, 24.1737

Rectangle

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



21.3678, 22.6691, 3.2494



13.1241, 22.6691, 8.0912



21.7258, 22.6691, 81.8618



32.9680, 22.6691, 55.5518

Sweetspot

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



21.3683, 22.6702, 3.2498



47.7167, 51.8022, 32.6890



13.7322, 7.0546, 1.7633



10.6102, 11.5465, 6.7131



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



21.3683, 22.6702, 3.2498



38.1491, 40.3610, 5.7798



17.6555, 26.5016, 4.1851



6.6207, 7.0465, 6.6170



17.1870, 18.2563, 2.6180



0.2776, 0.3142, 0.0460

Inverse Universe

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



6.2859, 3.1056, 31.2781



11.1616, 5.3702, 55.9846



7.1874, 3.0220, 31.2144



5.9641, 6.1855, 7.8086



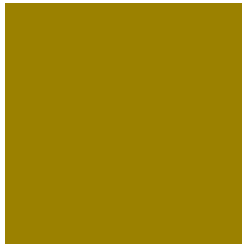
5.0690, 2.5346, 25.1298



0.0943, 0.0748, 0.3818

Previews

White Background



This preview shows how the XYZ color 21.3678, 22.6691, 3.2494 looks on a white background.

Color Contrast Check

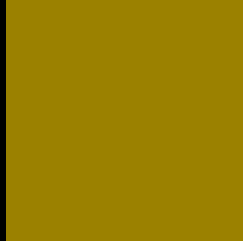
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3678, 22.6691, 3.2494 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 21.3678, 22.6691, 3.2494

Background



This preview shows how black text looks on a background with the XYZ color 21.3678, 22.6691, 3.2494.

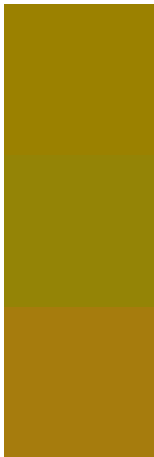


This preview shows how white text looks on a background with the XYZ color 21.3678, 22.6691,

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

21.3678, 22.6691, 3.2494

Protanopia

20.4969, 22.8116, 3.4951

Deuteranopia

23.0062, 22.5514, 3.5211



Tritanopia

25.5792, 22.6993, 23.8021

Trichromacy



Original Color

21.3678, 22.6691, 3.2494

Protanomaly

20.9007, 22.8207, 3.4181

Deuteranomaly

22.4050, 22.6206, 3.4151

Tritanomaly

22.9040, 22.1460, 11.0501

Monochromacy



Original Color

21.3678, 22.6691, 3.2494

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.5403, 20.2856, 10.1461

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3678, 22.6691, 3.2494 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(155, 129, 0)` looks like.

```
.text, #text, p{  
    color:rgb(155, 129, 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(155, 129, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 129, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.3678, 22.6691, 3.2494 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(155, 129, 0) }
```


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

```
.border{ border-color:rgb(155, 129, 0) }
```

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

Here you see how a box with a 4 pixel rgb(155, 129, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 129, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 129, 0);  
box-shadow:4px 4px 4px 4px rgb(155, 129,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3678, 22.6691, 3.2494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 129, 0) }
```

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

```
.background{ background-color: rgb(155,  
129, 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](#).

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