

Converting Colors

XYZ(22.2830, 23.2680, 3.2660)

Have a look what the booklet for
XYZ(22.2830, 23.2680, 3.2660)
contains.

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Color

**XYZ(22.2807, 23.3362,
3.3300)**

Conversions

Conversions Part 1

Format	Color
Hex	9F8200
RGB	159, 130, 0
RGB Percent	62%, 51%, 0%
CMY	0.3765, 0.4902, 1.0000
CMYK	0.00, 0.18, 1.00, 0.38
HSL	49°, 100%, 31%
HSV	49°, 100%, 62%
XYZ	22.2807, 23.3362, 3.3300
YIQ	123.8510, 59.0140, -34.2820

Conversions

Conversions Part 2

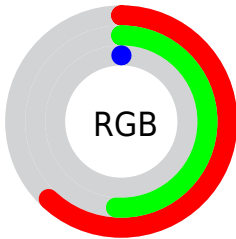
Format	Color
R_{YB}	35, 159, 0
Decimal	10453504
CIE _{Lab}	55.42, 0.46, 60.59
CIE _{LCh}	55, 60.590, 89.562
Yxy	23.3362, 0.4552, 0.4768
Android (android.graphics.Color)	4288643584 (0xFF9F8200)
YUV	123.8510, -61.0585, 30.8257
Hunter-Lab	48.3076, -2.2094, 29.7282

Details

The XYZ color **22.2807, 23.3362, 3.3300** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **6.6975, 3.3821, 33.1004**, and the grayscale version is **19.2926, 20.2973, 22.1038**.

A 20% lighter version of the original color is **46.8903, 49.1898, 12.4920**, and **8.5359, 8.7684, 1.2426** is the 20% darker color. If you saturate the color by 10%, you get **22.2810, 23.3369, 3.3301**, and if you desaturate by 10%, it is **22.7652, 24.1568, 3.9495**.

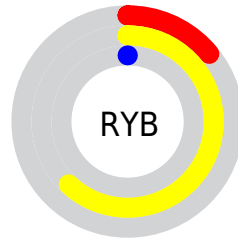
Distribution



Red (62%)

Green (51%)

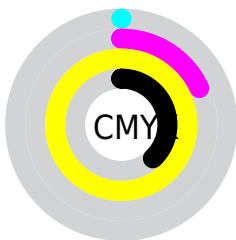
Blue (0%)



Red (14%)

Yellow (62%)

Blue (0%)

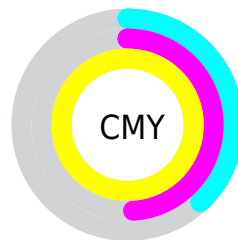


Cyan (0%)

Magenta (18%)

Yellow (100%)

Black (38%)



Cyan (38%)

Magenta (49%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2807, 23.3362, 3.3300 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 22.2807, 23.3362, 3.3300 by changing the saturation by 10% instead.

■ 22.2807, 23.3362,
3.3300

■ 22.2807, 23.3362,
3.3300

256.6136,
269.4471, 140.4587

■ 14.1811, 14.8420,
1.2655

■ 46.6849, 48.9448,
12.4324

■ 8.3292, 8.7085,
0.0333

■ 63.7202, 66.8279,
20.3074

■ 4.3599, 4.5516,
0.0000

■ 84.4647, 88.6094,
30.9564

■ 1.9077, 1.9866,
0.0000

■ 109.2838,
114.6738, 44.7977

■ 0.5813, 0.5997,
0.0000

■ 138.5429,
145.4053, 62.2501

■ 0.0000, 0.0000,
0.0000

■ 172.6073,

181.1885, 83.7320

211.8424,
222.4076, 109.6620

22.2807, 23.3362,
3.3300

22.2807, 23.3362,
3.3300

22.2810, 23.3369,
3.3301

22.7652, 24.1568,
3.9495

23.3326, 25.0272,
4.9539

24.0152, 25.9613,
6.5102

24.8263, 26.9647,
8.6885

25.7774, 28.0419,
11.5485

■ 26.8785, 29.1973,
15.1430

■ 28.1388, 30.4346,
19.5194

■ 29.5666, 31.7571,
24.7213

■ 31.1695, 33.1682,
30.7888

Harmonies

Analogous

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



29.4991, 23.3362, 4.8495



22.2807, 23.3362, 3.3300



16.3259, 23.3362, 4.7550

Triad

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



22.2807, 23.3362, 3.3300



12.6273, 23.3362, 48.7707



35.4970, 23.3362, 49.5423

Complementary

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



22.2807, 23.3362, 3.3300



6.6975, 3.3821, 33.1004

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.



29.2897, 23.3362, 73.9923



22.2807, 23.3362, 3.3300



16.1849, 23.3362, 73.4087

Square

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



22.2807, 23.3362, 3.3300



11.4922, 23.3362, 25.1233



22.0803, 23.3362, 84.4002



38.0239, 23.3362, 25.6972

Rectangle

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



22.2807, 23.3362, 3.3300



13.6308, 23.3362, 8.0188



22.0803, 23.3362, 84.4002



33.7165, 23.3362, 58.3300

Sweetspot

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



22.2812, 23.3373, 3.3305



50.2565, 54.3744, 34.4671



14.5218, 7.4605, 1.8472



11.1218, 12.0570, 7.0374



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



22.2812, 23.3373, 3.3305



39.7726, 41.5327, 5.9204



18.6620, 28.0253, 4.4261



7.0672, 7.5145, 7.0636



17.6262, 18.4880, 2.6395



0.3397, 0.3796, 0.0554

Inverse Universe

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



6.6975, 3.3821, 33.1004



11.8901, 5.8481, 59.2456



7.5910, 3.1906, 33.0163



6.3778, 6.6213, 8.3486



5.3131, 2.7178, 26.1518



0.1187, 0.0959, 0.4755

Previews

White Background



This preview shows how the XYZ color 22.2807, 23.3362, 3.3300 looks on a white background.

Color Contrast Check

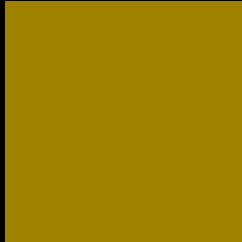
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2807, 23.3362, 3.3300 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 22.2807, 23.3362, 3.3300

Background



This preview shows how black text looks on a background with the XYZ color 22.2807, 23.3362, 3.3300.



This preview shows how white text looks on a background with the XYZ color 22.2807, 23.3362,

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

22.2807, 23.3362, 3.3300

Protanopia

20.9981, 23.2722, 3.5576

Deuteranopia

23.6757, 23.2731, 3.5921



Tritanopia

26.5925, 23.3934, 24.2329

Trichromacy



Original Color

22.2807, 23.3362, 3.3300

Protanomaly

21.4100, 23.2836, 3.4806

Deuteranomaly

23.1503, 23.1956, 3.4868

Tritanomaly

23.8732, 22.8264, 11.3313

Monochromacy



Original Color

22.2807, 23.3362, 3.3300

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.1887, 20.8046, 10.4015

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2807, 23.3362, 3.3300 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(159, 130, 0)` looks like.

```
.text, #text, p{  
    color:rgb(159, 130, 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(159, 130, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 130, 0) }
```

Border

The CSS property to change the border of an element to XYZ 22.2807, 23.3362, 3.3300 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(159, 130, 0) }
```


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

```
.border{ border-color:rgb(159, 130, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 130, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 130, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 130, 0);  
box-shadow:4px 4px 4px 4px rgb(159, 130,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2807, 23.3362, 3.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 130, 0) }
```

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

```
.background{ background-color: rgb(159,  
130, 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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