

Converting Colors

XYZ(21.2955, 23.0896, 3.3344)

Have a look what the booklet for
XYZ(21.2955, 23.0896, 3.3344)
contains.

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Color

**XYZ(21.2532, 23.0049,
3.3202)**

Conversions

Conversions Part 1

Format	Color
Hex	998300
RGB	153, 131, 0
RGB Percent	60%, 51%, 0%
CMY	0.4000, 0.4863, 1.0000
CMYK	0.00, 0.14, 1.00, 0.40
HSL	51°, 100%, 30%
HSV	51°, 100%, 60%
XYZ	21.2532, 23.0049, 3.3202
YIQ	122.6440, 55.1630, -36.0770

Conversions

Conversions Part 2

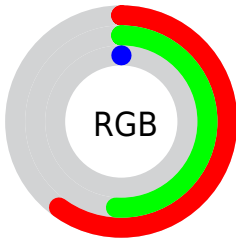
Format	Color
R_{YB}	26, 153, 0
Decimal	10060544
CIE _{Lab}	55.08, -2.89, 60.06
CIE _{LCh}	55, 60.133, 92.752
Yxy	23.0049, 0.4467, 0.4835
Android (android.graphics.Color)	4288250624 (0xFF998300)
YUV	122.6440, -60.4635, 26.6222
Hunter-Lab	47.9634, -4.8404, 29.4701

Details

The XYZ color **21.2532, 23.0049, 3.3202** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **6.0368, 2.8739, 30.3734**, and the grayscale version is **18.8903, 19.8741, 21.6428**.

A 20% lighter version of the original color is **45.0478, 48.5472, 12.4651**, and **8.0543, 8.6313, 1.2415** is the 20% darker color. If you saturate the color by 10%, you get **21.2535, 23.0057, 3.3204**, and if you desaturate by 10%, it is **21.6407, 23.6386, 3.8857**.

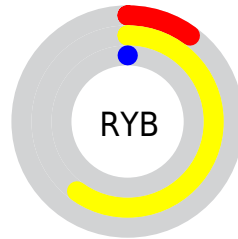
Distribution



Red (60%)

Green (51%)

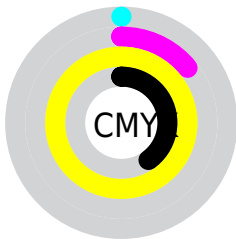
Blue (0%)



Red (10%)

Yellow (60%)

Blue (0%)

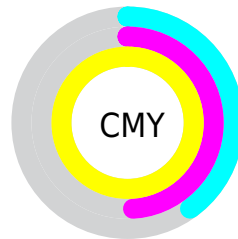


Cyan (0%)

Magenta (14%)

Yellow (100%)

Black (40%)



Cyan (40%)

Magenta (49%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2532, 23.0049, 3.3202 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 21.2532, 23.0049, 3.3202 by changing the saturation by 10% instead.

■ 21.2532, 23.0049,
3.3202

■ 21.2532, 23.0049,
3.3202

251.3274,
267.7502, 140.3398

■ 13.4227, 14.5971,
1.2604

■ 44.9967, 48.4014,
12.4088

■ 7.7993, 8.5371,
0.0290

■ 61.6403, 66.1589,
20.2747

■ 4.0175, 4.4405,
0.0000

■ 81.9525, 87.8017,
30.9130

■ 1.7120, 1.9229,
0.0000

■ 106.2984,
113.7143, 44.7423

■ 0.4638, 0.5621,
0.0000

■ 135.0435,
144.2811, 62.1811

■ 0.0000, 0.0000,
0.0000

■ 168.5532,

179.8864, 83.6479

207.1927,
220.9146, 109.5613

21.2532, 23.0049,
3.3202

21.2532, 23.0049,
3.3202

21.2535, 23.0057,
3.3204

21.6407, 23.6386,
3.8857

22.0994, 24.3099,
4.7969

22.6598, 25.0321,
6.2127

23.3340, 25.8100,
8.1964

24.1324, 26.6479,
10.8021

■ 25.0641, 27.5495,
14.0779

■ 26.1373, 28.5180,
18.0667

■ 27.3595, 29.5566,
22.8082

■ 28.7378, 30.6681,
28.3390

Harmonies

Analogous

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



28.3059, 23.0049, 4.4881



21.2532, 23.0049, 3.3202



15.6135, 23.0049, 5.0745

Triad

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



21.2532, 23.0049, 3.3202



12.7263, 23.0049, 50.7610



35.4253, 23.0049, 46.0078

Complementary

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



21.2532, 23.0049, 3.3202



6.0368, 2.8739, 30.3734

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.



29.5967, 23.0049, 70.6182



21.2532, 23.0049, 3.3202



16.4845, 23.0049, 74.2100

Square

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



21.2532, 23.0049, 3.3202



11.3617, 23.0049, 26.8606



22.4894, 23.0049, 82.8802



37.4117, 23.0049, 23.3197

Rectangle

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



21.2532, 23.0049, 3.3202



13.1345, 23.0049, 8.7024



22.4894, 23.0049, 82.8802



33.7990, 23.0049, 54.6517

Sweetspot

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



21.2537, 23.0060, 3.3207



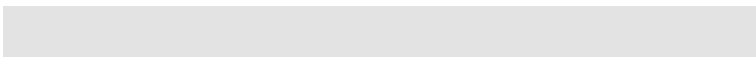
46.6868, 50.9655, 31.8910



13.2911, 6.8341, 1.4270



10.1400, 11.1036, 6.4069



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.



21.2537, 23.0060, 3.3207



37.9585, 40.9921, 5.9116



16.5864, 25.4606, 4.0404



6.6332, 7.0715, 6.6212



17.5842, 19.0509, 2.7504



0.2810, 0.3211, 0.0472

Inverse Universe

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



6.0368, 2.8739, 30.3734



10.7267, 4.9779, 54.3675



7.2474, 3.0721, 30.3479



5.9526, 6.1626, 7.8047



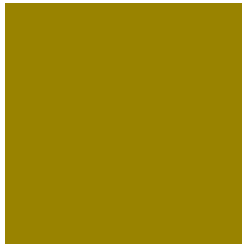
5.0051, 2.4069, 25.1085



0.0909, 0.0682, 0.3807

Previews

White Background



This preview shows how the XYZ color 21.2532, 23.0049, 3.3202 looks on a white background.

Color Contrast Check

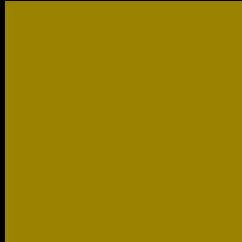
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2532, 23.0049, 3.3202 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 21.2532, 23.0049, 3.3202

Background



This preview shows how black text looks on a background with the XYZ color 21.2532, 23.0049, 3.3202.

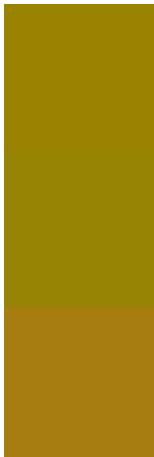


This preview shows how white text looks on a background with the XYZ color 21.2532, 23.0049,

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

21.2532, 23.0049, 3.3202

Protanopia

20.6676, 22.9009, 3.4459

Deuteranopia

23.3562, 22.9172, 3.6444



Tritanopia

25.5535, 23.0313, 24.5714

Trichromacy



Original Color

21.2532, 23.0049, 3.3202

Protanomaly

20.8454, 22.9931, 3.4256

Deuteranomaly

22.5445, 22.8820, 3.5156

Tritanomaly

22.7996, 22.4599, 11.3171

Monochromacy



Original Color

21.2532, 23.0049, 3.3202

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.6675, 20.5401, 10.1885

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2532, 23.0049, 3.3202 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(153, 131, 0)` looks like.

```
.text, #text, p{  
    color:rgb(153, 131, 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(153, 131, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 131, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.2532, 23.0049, 3.3202 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(153, 131, 0) }
```


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

```
.border{ border-color:rgb(153, 131, 0) }
```

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

Here you see how a box with a 4 pixel rgb(153, 131, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 131, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 131, 0);  
box-shadow:4px 4px 4px 4px rgb(153, 131,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2532, 23.0049, 3.3202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 131, 0) }
```

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

```
.background{ background-color: rgb(153,  
131, 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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