

Converting Colors

XYZ(21.8074, 24.9227, 0.0982)

Have a look what the booklet for
XYZ(21.8074, 24.9227, 0.0982)
contains.

XYZ(22.5590, 25.3353, 3.7012)	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(22.5590, 25.3353,
3.7012)**

Conversions

Conversions Part 1

Format	Color
Hex	9A8B00
RGB	154, 139, 0
RGB Percent	60%, 55%, 0%
CMY	0.3961, 0.4549, 1.0000
CMYK	0.00, 0.10, 1.00, 0.40
HSL	54°, 100%, 30%
HSV	54°, 100%, 60%
XYZ	22.5590, 25.3353, 3.7012
YIQ	127.6390, 53.5590, -40.0490

Conversions

Conversions Part 2

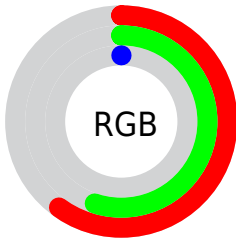
Format	Color
R_{YB}	17, 154, 0
Decimal	10128128
CIE Lab	57.40, -6.81, 61.77
CIE LCh	57, 62.140, 96.291
Yxy	25.3353, 0.4372, 0.4910
Android (android.graphics.Color)	4288318208 (0xFF9A8B00)
YUV	127.6390, -62.9260, 23.1186
Hunter-Lab	50.3342, -8.0839, 30.8742

Details

The XYZ color **22.5590, 25.3353, 3.7012** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **6.0037, 2.6749, 30.7713**, and the grayscale version is **20.5916, 21.6640, 23.5921**.

A 20% lighter version of the original color is **47.1065, 52.1385, 13.3753**, and **8.7180, 9.7974, 1.4316** is the 20% darker color. If you saturate the color by 10%, you get **22.5594, 25.3362, 3.7014**, and if you desaturate by 10%, it is **22.8673, 25.8094, 4.2439**.

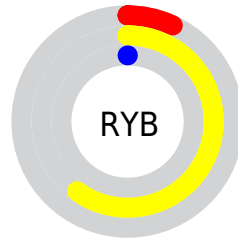
Distribution



Red (60%)

Green (55%)

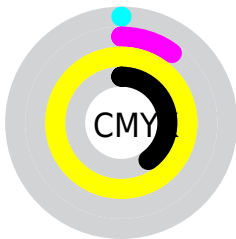
Blue (0%)



Red (7%)

Yellow (60%)

Blue (0%)

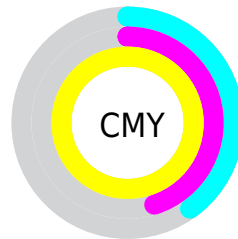


Cyan (0%)

Magenta (10%)

Yellow (100%)

Black (40%)



Cyan (40%)

Magenta (45%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.5590, 25.3353, 3.7012 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 22.5590, 25.3353, 3.7012 by changing the saturation by 10% instead.

■ 22.5590, 25.3353,
3.7012

■ 22.5590, 25.3353,
3.7012

258.0296,
279.5037, 144.8439

■ 14.3871, 16.3270,
1.4629

■ 47.1402, 52.2007,
13.3146

■ 8.4739, 9.7559,
0.1901

■ 64.2802, 70.8265,
21.5267

■ 4.4540, 5.2374,
0.0000

■ 85.1403, 93.4271,
32.5672

■ 1.9620, 2.3872,
0.0000

■ 110.0859,
120.3867, 46.8546


■ 0.6125, 0.8193,
0.0000


■ 139.4822,
152.0898, 64.8074


■ 0.0000, 0.0000,
0.0000


■ 173.6947,


188.9207, 86.8442


 213.0887,
231.2639, 113.3836


 22.5590, 25.3353,
3.7012


 22.5590, 25.3353,
3.7012


 22.5594, 25.3362,
3.7014

 22.8673, 25.8094,
4.2439

 23.2446, 26.3149,
5.1374

 23.7217, 26.8652,
6.5417

 24.3109, 27.4651,
8.5214

 25.0226, 28.1189,
11.1316

■ 25.8661, 28.8302,
14.4208

■ 26.8498, 29.6025,
18.4329

■ 27.9812, 30.4387,
23.2081

■ 29.2675, 31.3419,
28.7836

Harmonies

Analogous

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



30.2481, 25.3353, 4.6003



22.5590, 25.3353, 3.7012



16.6209, 25.3353, 6.0854

Triad

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



22.5590, 25.3353, 3.7012



14.3590, 25.3353, 59.3041



39.5478, 25.3353, 47.3636

Complementary

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



22.5590, 25.3353, 3.7012



6.0037, 2.6749, 30.7713

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.



33.4925, 25.3353, 75.0118



22.5590, 25.3353, 3.7012



18.8139, 25.3353, 84.0246

Square

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



22.5590, 25.3353, 3.7012



12.5513, 25.3353, 32.2821



25.6688, 25.3353, 90.8966



41.1162, 25.3353, 23.3687

Rectangle

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



22.5590, 25.3353, 3.7012



14.1008, 25.3353, 10.6213



25.6688, 25.3353, 90.8966



37.9169, 25.3353, 56.8414

Sweetspot

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



22.5596, 25.3365, 3.7017



48.6594, 53.6875, 33.0033



13.4155, 6.9058, 1.0932



10.8493, 12.0247, 6.7928



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.



22.5596, 25.3365, 3.7017



40.9026, 45.8680, 6.6976



16.0095, 25.4070, 4.0605



6.6575, 7.1201, 6.6293



18.3944, 20.6711, 3.0204



0.2879, 0.3349, 0.0495

Inverse Universe

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



6.0037, 2.6749, 30.7713



10.8391, 4.7251, 55.8770



7.7947, 3.3447, 30.8062



5.9305, 6.1183, 7.7974



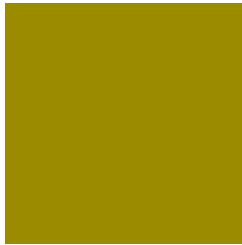
4.9045, 2.2058, 25.0750



0.0845, 0.0554, 0.3786

Previews

White Background



This preview shows how the XYZ color 22.5590, 25.3353, 3.7012 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 22.5590, 25.3353, 3.7012 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 22.5590, 25.3353, 3.7012

Background



This preview shows how black text looks on a background with the XYZ color 22.5590, 25.3353, 3.7012.

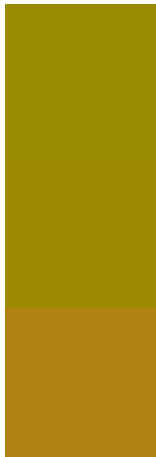


This preview shows how white text looks on a background with the XYZ color 22.5590, 25.3353,

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

22.5590, 25.3353, 3.7012

Protanopia

22.7988, 25.2449, 3.6711

Deuteranopia

25.6810, 25.2749, 4.0973



Tritanopia

27.4107, 25.2460, 27.8544

Trichromacy



Original Color

22.5590, 25.3353, 3.7012

Protanomaly

22.6060, 25.1455, 3.6621

Deuteranomaly

24.5219, 25.2898, 3.9056

Tritanomaly

24.4471, 24.8506, 12.7407

Monochromacy



Original Color

22.5590, 25.3353, 3.7012

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.0530, 22.4150, 11.0542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5590, 25.3353, 3.7012 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(154, 139, 0)` looks like.

```
.text, #text, p{  
    color:rgb(154, 139, 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(154, 139, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 139, 0) }
```

Border

The CSS property to change the border of an element to XYZ 22.5590, 25.3353, 3.7012 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(154, 139, 0) }
```


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

```
.border{ border-color:rgb(154, 139, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 139, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 139, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 139, 0);  
box-shadow:4px 4px 4px 4px rgb(154, 139,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5590, 25.3353, 3.7012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 139, 0) }
```

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

```
.background{ background-color: rgb(154,  
139, 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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