

Converting Colors

XYZ(12.6136, 13.0570, 0.7665)

Have a look what the booklet for
XYZ(12.6136, 13.0570, 0.7665)
contains.

XYZ(12.8251, 13.0953, 1.8517)	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(12.8251, 13.0953,
1.8517)**

Conversions

Conversions Part 1

Format	Color
Hex	7D6200
RGB	125, 98, 0
RGB Percent	49%, 38%, 0%
CMY	0.5098, 0.6157, 1.0000
CMYK	0.00, 0.22, 1.00, 0.51
HSL	47°, 100%, 25%
HSV	47°, 100%, 49%
XYZ	12.8251, 13.0953, 1.8517
YIQ	94.9010, 47.5500, -24.7540

Conversions

Conversions Part 2

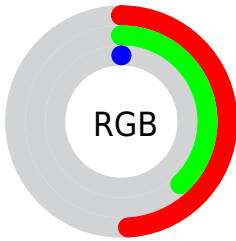
Format	Color
R_{YB}	34, 125, 0
Decimal	8217088
CIE _{Lab}	42.91, 2.55, 50.13
CIE _{LCh}	43, 50.196, 87.091
Yxy	13.0953, 0.4618, 0.4715
Android (android.graphics.Color)	4286407168 (0xFF7D6200)
YUV	94.9010, -46.7862, 26.3968
Hunter-Lab	36.1874, -0.0662, 22.2973

Details

The XYZ color **12.8251, 13.0953, 1.8517** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.0937, 2.2646, 19.6232**, and the grayscale version is **10.9544, 11.5249, 12.5506**.

A 20% lighter version of the original color is **30.4354, 31.3193, 8.5788**, and **3.8265, 3.7956, 0.5309** is the 20% darker color. If you saturate the color by 10%, you get **12.8253, 13.0957, 1.8518**, and if you desaturate by 10%, it is **13.1518, 13.6375, 2.3034**.

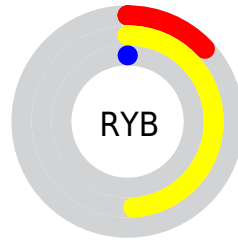
Distribution



Red (49%)

Green (38%)

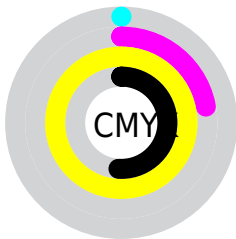
Blue (0%)



Red (13%)

Yellow (49%)

Blue (0%)

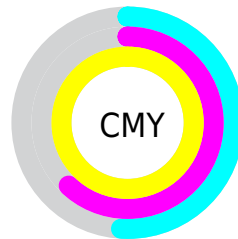


Cyan (0%)

Magenta (22%)

Yellow (100%)

Black (51%)



Cyan (51%)

Magenta (62%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8251, 13.0953, 1.8517 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 12.8251, 13.0953, 1.8517 by changing the saturation by 10% instead.

12.8251, 13.0953,
1.8517

12.8251, 13.0953,
1.8517

203.4540,
211.5275, 120.0298

7.3844, 7.4942,
0.4617

30.5932, 31.4749,
8.6312

3.7521, 3.7730,
0.0000

43.6513, 45.0222,
14.9402

1.5629, 1.5474,
0.0000

59.9793, 61.9870,
23.7532

0.3680, 0.3218,
0.0000


79.9424, 82.7537,
35.4890


0.0000, 0.0000,
0.0000


103.9061,
107.7067, 50.5660


132.2357,


137.2304, 69.4028


 165.2965,
171.7092, 92.4178


 12.8251, 13.0953,
1.8517


 12.8251, 13.0953,
1.8517


 12.8253, 13.0957,
1.8518

 13.1518, 13.6375,
2.3034

 13.5233, 14.2110,
2.9502

 13.9639, 14.8259,
3.9179

 14.4808, 15.4854,
5.2440

 15.0802, 16.1920,
6.9610

■ 15.7676, 16.9482,
9.0978

■ 16.5482, 17.7560,
11.6804

■ 17.4264, 18.6173,
14.7329

■ 18.4067, 19.5341,
18.2774

Harmonies

Analogous

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



16.9035, 13.0953, 2.8557



12.8251, 13.0953, 1.8517



9.3785, 13.0953, 2.5039

Triad

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



12.8251, 13.0953, 1.8517



6.9636, 13.0953, 26.2158



19.7295, 13.0953, 29.1050

Complementary

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



12.8251, 13.0953, 1.8517



4.0937, 2.2646, 19.6232

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.



16.1202, 13.0953, 42.5764



12.8251, 13.0953, 1.8517



8.8514, 13.0953, 40.3901

Square

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



12.8251, 13.0953, 1.8517



6.4341, 13.0953, 13.2123



12.0758, 13.0953, 47.5088



21.3704, 13.0953, 15.3586

Rectangle

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



12.8251, 13.0953, 1.8517



7.7851, 13.0953, 4.1650



12.0758, 13.0953, 47.5088



18.6741, 13.0953, 34.0388

Sweetspot

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



12.8254, 13.0959, 1.8520



29.5263, 31.6882, 20.5515



8.6563, 4.4396, 1.4429



6.6033, 7.0928, 4.2963



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



12.8254, 13.0959, 1.8520



22.8582, 23.2336, 3.2798



11.5097, 16.8200, 2.6401



4.5890, 4.8668, 4.6176



13.3807, 13.6577, 1.9310



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.0937, 2.2646, 19.6232



7.2371, 3.8682, 35.1096



4.4092, 1.8455, 19.5257



4.1784, 4.3507, 5.4328



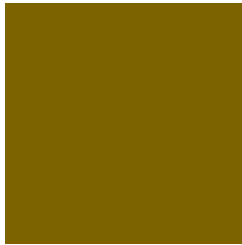
4.2678, 2.3541, 20.4794



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.8251, 13.0953, 1.8517 looks on a white 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

Black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.8251, 13.0953, 1.8517

Background



This preview shows how black text looks on a background with the XYZ color 12.8251, 13.0953, 1.8517.

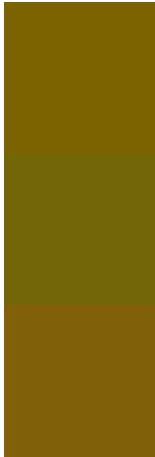


This preview shows how white text looks on a background with the XYZ color 12.8251, 13.0953,

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

12.8251, 13.0953, 1.8517

Protanopia

11.8545, 13.1607, 2.0878

Deuteranopia

13.2745, 13.0482, 2.0199



Tritanopia

15.1516, 13.1098, 13.2871

Trichromacy



Original Color

12.8251, 13.0953, 1.8517

Protanomaly

12.2833, 13.2381, 2.0227

Deuteranomaly

13.1987, 13.1473, 1.9569

Tritanomaly

13.7743, 12.9424, 6.3296

Monochromacy



Original Color

12.8251, 13.0953, 1.8517

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.9423, 11.7562, 5.9674

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8251, 13.0953, 1.8517 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(125, 98, 0)` looks like.

```
.text, #text, p{  
    color:rgb(125, 98, 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(125, 98, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 98, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.8251, 13.0953, 1.8517 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(125, 98, 0) }
```


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

```
.border{ border-color:rgb(125, 98, 0) }
```

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

Here you see how a box with a 4 pixel rgb(125, 98, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 98, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 98, 0);  
box-shadow:4px 4px 4px 4px rgb(125, 98, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.8251, 13.0953, 1.8517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 98, 0) }
```

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

```
.background{ background-color: rgb(125, 98,  
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