

Converting Colors

XYZ(12.2499, 12.1533, 1.7232)

Have a look what the booklet for
XYZ(12.2499, 12.1533, 1.7232)
contains.

XYZ(12.2320, 12.1160, 1.7226)	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(12.2320, 12.1160,
1.7226)**

Conversions

Conversions Part 1

Format	Color
Hex	7C5D01
RGB	124, 93, 1
RGB Percent	49%, 36%, 0%
CMY	0.5137, 0.6353, 0.9961
CMYK	0.00, 0.25, 0.99, 0.51
HSL	45°, 98%, 25%
HSV	45°, 99%, 49%
XYZ	12.2320, 12.1160, 1.7226
YIQ	91.7810, 48.0080, -22.0400

Conversions

Conversions Part 2

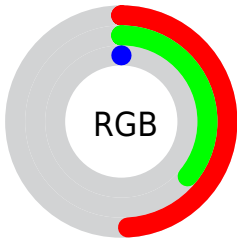
Format	Color
RYB	42, 124, 1
Decimal	8150273
CIELab	41.40, 5.03, 48.76
CIElCh	41, 49.016, 84.115
Yxy	12.1160, 0.4692, 0.4647
Android (android.graphics.Color)	4286340353 (0xFF7C5D01)
YUV	91.7810, -44.7550, 28.2561
Hunter-Lab	34.8080, 1.8131, 21.4315

Details

The XYZ color **12.2320, 12.1160, 1.7226** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.1671, 2.4946, 19.3305**, and the grayscale version is **10.2146, 10.7465, 11.7030**.

A 20% lighter version of the original color is **29.4343, 29.6640, 8.3120**, and **3.5827, 3.4160, 0.4705** is the 20% darker color. If you saturate the color by 10%, you get **12.2046, 12.0701, 1.6865**, and if you desaturate by 10%, it is **12.5820, 12.7044, 2.1836**.

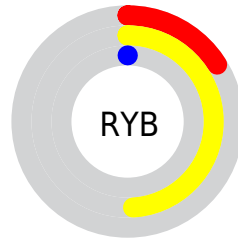
Distribution



Red (49%)

Green (36%)

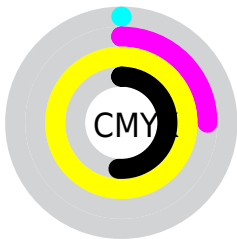
Blue (0%)



Red (16%)

Yellow (49%)

Blue (0%)

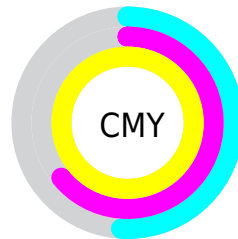


Cyan (0%)

Magenta (25%)

Yellow (99%)

Black (51%)



Cyan (51%)


Magenta (64%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 12.2320, 12.1160, 1.7226 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 12.2320, 12.1160, 1.7226 by changing the saturation by 10% instead.

 12.2320, 12.1160,
1.7226


 12.2320, 12.1160,
1.7226


 199.6739,
205.1717, 117.9088


 6.9752, 6.8227,
0.3762


 29.5301, 29.7062,
8.2675


 3.4928, 3.3515,
0.0000

 42.3022, 42.7719,
14.4146

 1.4194, 1.3179,
0.0000

 58.3101, 59.1972,
23.0360

 0.2700, 0.1550,
0.0000


 77.9191, 79.3666,
34.5505


 0.0000, 0.0000,
0.0000


 101.4946,
103.6643, 49.3764


 129.4021,


132.4748, 67.9324


 162.0067,
166.1825, 90.6370


 12.2320, 12.1160,
1.7226


 12.2320, 12.1160,
1.7226


 12.2046, 12.0701,
1.6865

 12.5820, 12.7044,
2.1836

 12.9822, 13.3305,
2.8546

 13.4539, 14.0036,
3.8448

 14.0039, 14.7265,
5.1907

 14.6384, 15.5020,
6.9237

■ 15.3629, 16.3324,
9.0719

■ 16.1822, 17.2199,
11.6606

■ 17.1009, 18.1665,
14.7132

■ 18.1233, 19.1741,
18.2515

Harmonies

Analogous

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



16.0117, 12.1160, 2.8314



12.2320, 12.1160, 1.7226



8.9397, 12.1160, 2.1703

Triad

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



12.2320, 12.1160, 1.7226



6.3304, 12.1160, 22.9309



17.9989, 12.1160, 28.3404

Complementary

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



12.2320, 12.1160, 1.7226



4.1671, 2.4946, 19.3305

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.



14.5448, 12.1160, 40.3897



12.2320, 12.1160, 1.7226



7.9519, 12.1160, 36.2987

Square

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



12.2320, 12.1160, 1.7226



5.9612, 12.1160, 11.2828



10.8283, 12.1160, 43.8746



19.7540, 12.1160, 15.3058

Rectangle

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



12.2320, 12.1160, 1.7226



7.3784, 12.1160, 3.5303



10.8283, 12.1160, 43.8746



16.9675, 12.1160, 32.8624

Sweetspot

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



12.2323, 12.1166, 1.7228



28.2468, 30.0592, 19.7756



8.6089, 4.4212, 1.8981



6.5318, 6.9498, 4.2725



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.



12.2323, 12.1166, 1.7228



21.3639, 21.0135, 2.9300



11.9636, 16.8664, 2.6538



4.2263, 4.4710, 4.2647



12.4052, 12.2663, 1.7138



58.4694, 57.1023, 7.9402

Inverse Universe

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



4.1671, 2.4946, 19.3305



7.1774, 4.1113, 33.9719



4.1757, 1.7486, 19.1860



3.8722, 4.0426, 5.0194



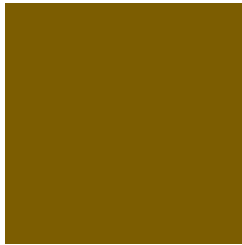
4.2013, 2.4850, 19.6435



19.4541, 10.6808, 93.5060

Previews

White Background



This preview shows how the XYZ color 12.2320, 12.1160, 1.7226 looks on a white background.

Color Contrast Check

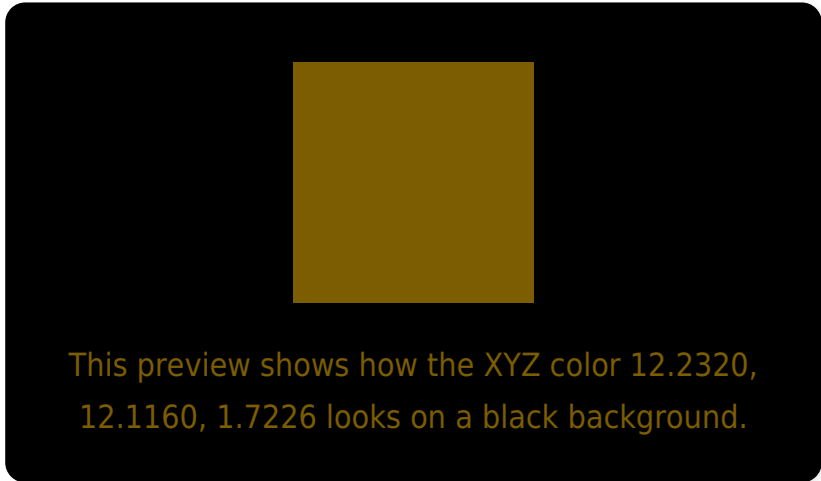
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.2320, 12.1160, 1.7226

Background



This preview shows how black text looks on a background with the XYZ color 12.2320, 12.1160, 1.7226.

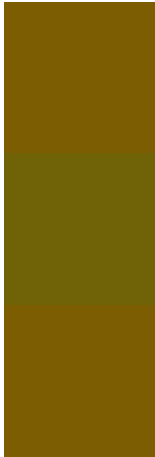


This preview shows how white text looks on a background with the XYZ color 12.2320, 12.1160,

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

12.2320, 12.1160, 1.7226

Protanopia

10.9616, 12.1302, 1.9646

Deuteranopia

12.2320, 12.1160, 1.7226



Tritanopia

14.2057, 12.0351, 11.9302

Trichromacy



Original Color

12.2320, 12.1160, 1.7226

Protanomaly

11.4127, 12.0897, 1.8756

Deuteranomaly

12.2320, 12.1160, 1.7226

Tritanomaly

13.1404, 11.9830, 5.8953

Monochromacy



Original Color

12.2320, 12.1160, 1.7226

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

10.3255, 10.9131, 5.6999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2320, 12.1160, 1.7226 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(124, 93, 1)` looks like.

```
.text, #text, p{  
    color:rgb(124, 93, 1)  
}
```

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(124, 93, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 93, 1) }
```

Border

The CSS property to change the border of an element to XYZ 12.2320, 12.1160, 1.7226 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(124, 93, 1) }
```


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

```
.border{ border-color:rgb(124, 93, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 93, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 93, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 93, 1);  
box-shadow:4px 4px 4px 4px rgb(124, 93, 1)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.2320, 12.1160, 1.7226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 93, 1) }
```

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

```
.background{ background-color: rgb(124, 93,  
1) }
```

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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