

Converting Colors

XYZ(14.1946, 7.7145, 0.7406)

Have a look what the booklet for
XYZ(14.1946, 7.7145, 0.7406)
contains.

XYZ(14.1728, 7.7044, 0.7401)	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>	30

Color

**XYZ(14.1728, 7.7044,
0.7401)**

Conversions

Conversions Part 1

Format	Color
Hex	9D1500
RGB	157, 21, 0
RGB Percent	62%, 8%, 0%
CMY	0.3843, 0.9176, 1.0000
CMYK	0.00, 0.87, 1.00, 0.38
HSL	8°, 100%, 31%
HSV	8°, 100%, 62%
XYZ	14.1728, 7.7044, 0.7401
YIQ	59.2700, 87.7970, 22.3010

Conversions

Conversions Part 2

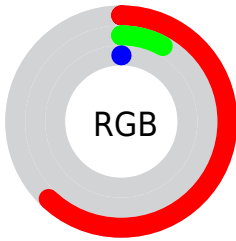
Format	Color
R_{YB}	157, 24, 0
Decimal	10294528
CIE Lab	33.36, 52.38, 46.93
CIE LCh	33, 70.332, 41.857
Yxy	7.7044, 0.6266, 0.3406
Android (android.graphics.Color)	4288484608 (0xFF9D1500)
YUV	59.2700, -29.2201, 85.7092
Hunter-Lab	27.7568, 42.5688, 17.8489

Details

The XYZ color **14.1728, 7.7044, 0.7401** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **14.8880, 20.0388, 34.9813**, and the grayscale version is **4.2254, 4.4454, 4.8411**.

A 20% lighter version of the original color is **33.0660, 21.4636, 5.1964**, and **4.8239, 2.4868, 0.2258** is the 20% darker color. If you saturate the color by 10%, you get **14.1730, 7.7049, 0.7402**, and if you desaturate by 10%, it is **14.5855, 8.3839, 1.3281**.

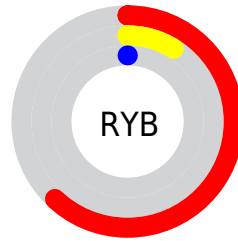
Distribution



Red (62%)

Green (8%)

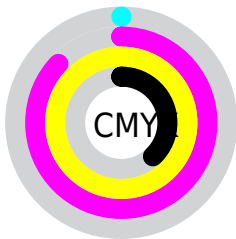
Blue (0%)



Red (62%)

Yellow (9%)

Blue (0%)

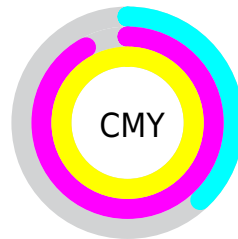


Cyan (0%)

Magenta (87%)

Yellow (100%)

Black (38%)



Cyan (38%)

Magenta (92%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 14.1728, 7.7044, 0.7401 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 14.1728, 7.7044, 0.7401 by changing the saturation by 10% instead.


 14.1728, 7.7044,
0.7401


 14.1728, 7.7044,
0.7401


 211.7924,
173.3948, 98.3708


 8.3235, 3.9064,
0.0000


 32.9790, 21.3769,
5.2199


 4.3561, 1.6213,
0.0000

 46.6666, 32.0201,
9.8877


 1.9055, 0.3719,
0.0000

 63.6977, 45.7139,
16.7377

 0.5800, 0.0000,
0.0000

 84.4376, 62.8426,
26.1886


 0.0000, 0.0000,
0.0000

 109.2516, 83.7907,
38.6588


 138.5052,


108.9425, 54.5668

 172.5637,
138.6824, 74.3313


 14.1728, 7.7044,
0.7401


 14.1728, 7.7044,
0.7401


 14.1730, 7.7049,
0.7402

 14.5855, 8.3839,
1.3281

 15.2228, 9.4003,
2.3363

 16.1319, 10.7987,
3.9340

 17.3400, 12.6124,
6.1939

 18.8706, 14.8712,
9.1780

■ 20.7450, 17.6020,
12.9410

■ 22.9825, 20.8295,
17.5326

■ 25.6011, 24.5769,
22.9981

■ 28.6174, 28.8657,
29.3799

Harmonies

Analogous

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



16.9773, 7.7044, 4.7999



14.1728, 7.7044, 0.7401



9.8249, 7.7044, 0.0000

Triad

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



14.1728, 7.7044, 0.7401



2.3626, 7.7044, 3.4361



8.9186, 7.7044, 49.6443

Complementary

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



14.1728, 7.7044, 0.7401



14.8880, 20.0388, 34.9813

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.



5.2862, 7.7044, 47.7380



14.1728, 7.7044, 0.7401



2.2670, 7.7044, 13.4290

Square

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



14.1728, 7.7044, 0.7401



3.4673, 7.7044, 0.3588



3.1363, 7.7044, 31.3270



13.3162, 7.7044, 35.3711

Rectangle

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



14.1728, 7.7044, 0.7401



7.0900, 7.7044, 0.0000



3.1363, 7.7044, 31.3270



7.5607, 7.7044, 51.0740

Sweetspot

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



14.1730, 7.7049, 0.7402



40.9098, 36.9449, 30.8821



18.3532, 8.9475, 24.0770



8.6441, 7.6144, 6.0578



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.



14.1730, 7.7049, 0.7402



25.3008, 13.6352, 1.2984



18.4075, 16.1740, 2.1517



6.7011, 6.7822, 6.9416



11.5279, 6.2914, 0.6068



0.2242, 0.1485, 0.0169

Inverse Universe

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



14.8880, 20.0388, 34.9813



26.5613, 35.6840, 62.6145



7.5771, 5.4169, 32.5443



6.7461, 7.3580, 8.4714



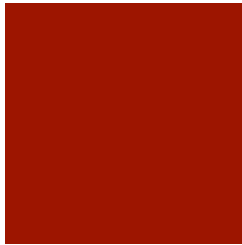
12.1113, 16.3142, 28.4178



0.2355, 0.3297, 0.5145

Previews

White Background



This preview shows how the XYZ color 14.1728, 7.7044, 0.7401 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 ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 14.1728, 7.7044, 0.7401

Background



This preview shows how black text looks on a background with the XYZ color 14.1728, 7.7044, 0.7401.



This preview shows how white text looks on a background with the XYZ color 14.1728, 7.7044,

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

14.1728, 7.7044, 0.7401

Protanopia

7.3831, 8.1595, 1.8476

Tritanopia

14.2560, 7.7089, 1.2669

Trichromacy



Original Color

14.1728, 7.7044, 0.7401

Protanomaly

8.7068, 6.8018, 1.2348

Tritanomaly

14.2152, 7.6926, 1.0522

Monochromacy



Original Color

14.1728, 7.7044, 0.7401

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

6.0076, 4.4496, 2.3759

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.1728, 7.7044, 0.7401 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(157, 21, 0)` looks like.

```
.text, #text, p{  
    color:rgb(157, 21, 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(157, 21, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 21, 0) }
```

Border

The CSS property to change the border of an element to XYZ 14.1728, 7.7044, 0.7401 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(157, 21, 0) }
```

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

```
.border{ border-color:rgb(157, 21, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 21, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 21, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 21, 0);  
box-shadow:4px 4px 4px 4px rgb(157, 21, 0)  
}
```


Background

The CSS property to change the background color of an element to XYZ 14.1728, 7.7044, 0.7401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 21, 0) }
```

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

```
.background{ background-color: rgb(157, 21,  
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