

Converting Colors

XYZ(12.2446, 3.6647, 0.0000)

Have a look what the booklet for
XYZ(12.2446, 3.6647, 0.0000)
contains.

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Color

**XYZ(14.1006, 7.2691,
0.6599)**

Conversions

Conversions Part 1

Format	Color
Hex	9E0000
RGB	158, 0, 0
RGB Percent	62%, 0%, 0%
CMY	0.3804, 0.9999, 1.0000
CMYK	0.00, 1.00, 1.00, 0.38
HSL	0°, 100%, 31%
HSV	0°, 100%, 62%
XYZ	14.1006, 7.2691, 0.6599
YIQ	47.2420, 94.1680, 33.4960

Conversions

Conversions Part 2

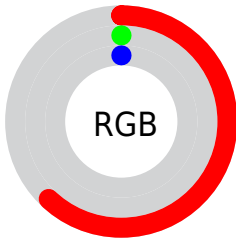
Format	Color
RYB	158, 0, 0
Decimal	10354688
CIELab	32.41, 56.02, 46.44
CIELCh	32, 72.767, 39.662
Yxy	7.2691, 0.6401, 0.3300
Android (android.graphics.Color)	4288544768 (0xFF9E0000)
YUV	47.2420, -23.2903, 97.1348
Hunter-Lab	26.9613, 46.1723, 17.4217

Details

The XYZ color **14.1006, 7.2691, 0.6599** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **18.3946, 26.9147, 36.5732**, and the grayscale version is **2.7460, 2.8890, 3.1462**.

A 20% lighter version of the original color is **32.8011, 20.4831, 5.0211**, and **4.8239, 2.4868, 0.2258** is the 20% darker color. If you saturate the color by 10%, you get **14.1007, 7.2696, 0.6600**, and if you desaturate by 10%, it is **14.3752, 7.6712, 1.2055**.

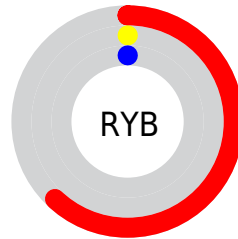
Distribution



Red (62%)

Green (0%)

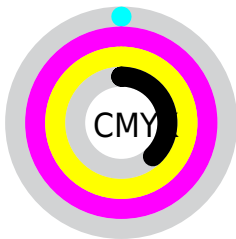
Blue (0%)



Red (62%)

Yellow (0%)

Blue (0%)

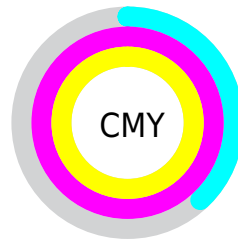


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (38%)



Cyan (38%)


Magenta (100%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 14.1006, 7.2691, 0.6599 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 14.1006, 7.2691, 0.6599 by changing the saturation by 10% instead.


 14.1006, 7.2691,
0.6599


 14.1006, 7.2691,
0.6599


 211.3539,
169.8814, 96.6302


 8.2728, 3.6310,
0.0000


 32.8522, 20.5126,
4.9766

 4.3233, 1.4693,
0.0000


 46.5067, 30.8867,
9.5140


 1.8866, 0.2670,
0.0000

 63.5009, 44.2749,
16.2058

 0.5690, 0.0000,
0.0000


 84.2001, 61.0616,
25.4706


 0.0000, 0.0000,
0.0000


 108.9696, 81.6312,
37.7269


 138.1749,

106.3681, 53.3933

 172.1812,
135.6567, 72.8882


 14.1006, 7.2691,
0.6599


 14.1006, 7.2691,
0.6599


 14.1007, 7.2696,
0.6600

 14.3752, 7.6712,
1.2055

 14.8621, 8.3838,
2.1731

 15.6549, 9.5440,
3.7490

 16.7927, 11.2090,
6.0105

 18.3086, 13.4272,
9.0240

■ 20.2321, 16.2418,
12.8476

■ 22.5895, 19.6913,
17.5341

■ 25.4050, 23.8113,
23.1315

■ 28.7012, 28.6345,
29.6845

Harmonies

Analogous

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



16.7645, 7.2691, 4.9242



14.1006, 7.2691, 0.6599



9.7379, 7.2691, 0.0000

Triad

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



14.1006, 7.2691, 0.6599



2.1063, 7.2691, 2.6800



8.1945, 7.2691, 50.8829

Complementary

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



14.1006, 7.2691, 0.6599



18.3946, 26.9147, 36.5732

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.



4.6891, 7.2691, 47.5135



14.1006, 7.2691, 0.6599



1.9525, 7.2691, 11.9220

Square

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



14.1006, 7.2691, 0.6599



3.2464, 7.2691, 0.0000



2.7049, 7.2691, 29.8415



12.6252, 7.2691, 36.9373

Rectangle

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



14.1006, 7.2691, 0.6599



6.9518, 7.2691, 0.0000



2.7049, 7.2691, 29.8415



6.8665, 7.2691, 51.9036

Sweetspot

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



14.1008, 7.2696, 0.6600



40.7489, 35.3591, 31.2979



20.2720, 9.7377, 33.1587



8.7857, 7.3848, 6.2587



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



14.1008, 7.2696, 0.6600



25.6069, 13.2013, 1.1985



16.8965, 12.8611, 1.5919



6.6331, 6.6463, 6.9189



11.2933, 5.8222, 0.5286



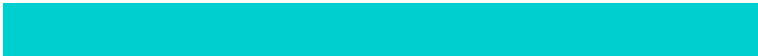
0.2019, 0.1041, 0.0095

Inverse Universe

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



18.3946, 26.9147, 36.5732



33.4045, 48.8770, 66.4170



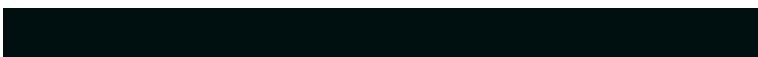
8.9675, 8.0606, 33.4308



6.8218, 7.5093, 8.4966



14.7323, 21.5560, 29.2915



0.2634, 0.3855, 0.5237

Previews

White Background



This preview shows how the XYZ color 14.1006, 7.2691, 0.6599 looks on a white background.

Color Contrast Check

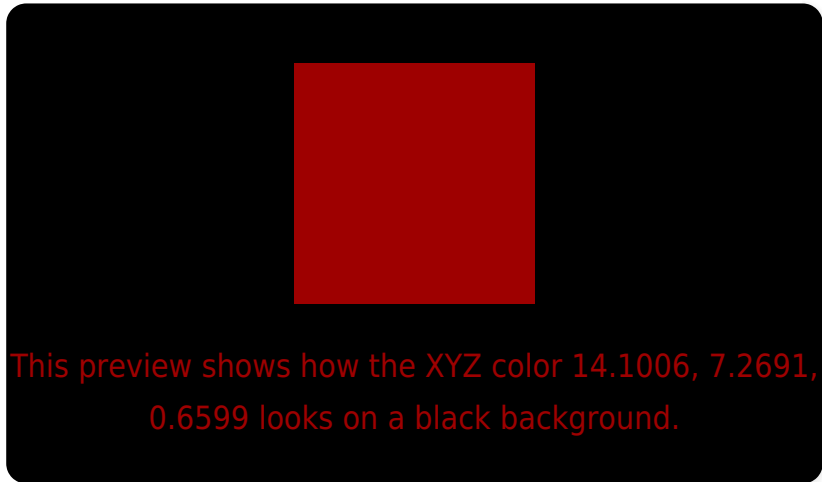
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.1006, 7.2691, 0.6599

Background



This preview shows how black text looks on a background with the XYZ color 14.1006, 7.2691, 0.6599.



This preview shows how white text looks on a background with the XYZ color 14.1006, 7.2691,

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

14.1006, 7.2691, 0.6599

Protanopia

7.2114, 7.9615, 1.8185

Deuteranopia

7.8400, 7.8782, 1.1074



Tritanopia

14.0755, 7.5097, 0.7077

Trichromacy



Original Color

14.1006, 7.2691, 0.6599

Protanomaly

8.3267, 6.0415, 1.1080

Deuteranomaly

8.9421, 6.1789, 0.7213

Tritanomaly

14.0132, 7.3852, 0.6869

Monochromacy



Original Color

14.1006, 7.2691, 0.6599

Achromatopsia

2.7019, 2.8426, 3.0956

Achromatomaly

4.6291, 3.0485, 1.5727

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.1006, 7.2691, 0.6599 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(158, 0, 0)` looks like.

```
.text, #text, p{  
    color:rgb(158, 0, 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(158, 0, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 0, 0) }
```

Border

The CSS property to change the border of an element to XYZ 14.1006, 7.2691, 0.6599 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(158, 0, 0) }
```


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

```
.border{ border-color:rgb(158, 0, 0) }
```

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

Here you see how a box with a 4 pixel rgb(158, 0, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 0, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(158, 0, 0); box-shadow:4px  
4px 4px 4px rgb(158, 0, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 14.1006, 7.2691, 0.6599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 0, 0) }
```

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

```
.background{ background-color: rgb(158, 0,  
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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