

Converting Colors

XYZ(13.3678, 5.3785, 0.0000)

Have a look what the booklet for
XYZ(13.3678, 5.3785, 0.0000)
contains.

XYZ(14.4972, 7.4736, 0.6785)	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(14.4972, 7.4736,
0.6785)**

Conversions

Conversions Part 1

Format	Color
Hex	A00000
RGB	160, 0, 0
RGB Percent	63%, 0%, 0%
CMY	0.3726, 0.9999, 1.0000
CMYK	0.00, 1.00, 1.00, 0.37
HSL	0°, 100%, 31%
HSV	0°, 100%, 63%
XYZ	14.4972, 7.4736, 0.6785
YIQ	47.8400, 95.3600, 33.9200

Conversions

Conversions Part 2

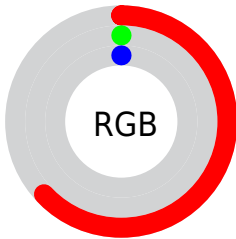
Format	Color
RYB	160, 0, 0
Decimal	10485760
CIELab	32.86, 56.54, 46.95
CIELCh	33, 73.492, 39.709
Yxy	7.4736, 0.6401, 0.3300
Android (android.graphics.Color)	4288675840 (0xFFA00000)
YUV	47.8400, -23.5851, 98.3643
Hunter-Lab	27.3379, 46.8167, 17.6650

Details

The XYZ color **14.4972, 7.4736, 0.6785** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **18.9115, 27.6709, 37.6016**, and the grayscale version is **2.8111, 2.9575, 3.2207**.

A 20% lighter version of the original color is **33.4810, 20.9335, 5.0722**, and **5.0370, 2.5967, 0.2357** is the 20% darker color. If you saturate the color by 10%, you get **14.4973, 7.4740, 0.6785**, and if you desaturate by 10%, it is **14.7762, 7.8822, 1.2329**.

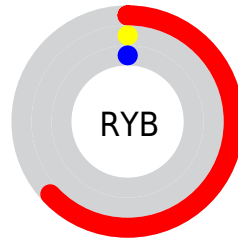
Distribution



Red (63%)

Green (0%)

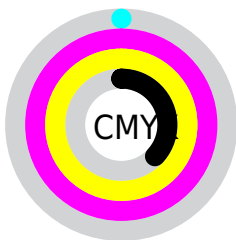
Blue (0%)



Red (63%)

Yellow (0%)

Blue (0%)

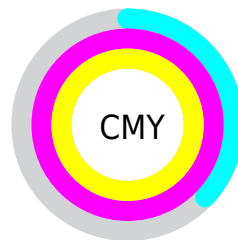


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (37%)



Cyan (37%)


Magenta (100%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 14.4972, 7.4736, 0.6785 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 14.4972, 7.4736, 0.6785 by changing the saturation by 10% instead.


 14.4972, 7.4736,
0.6785


 14.4972, 7.4736,
0.6785


 213.7517,
171.5429, 97.0320


 8.5513, 3.7600,
0.0000


 33.5476, 20.9198,
5.0323


 4.5044, 1.5402,
0.0000

 47.3828, 31.4212,
9.5998


 1.9913, 0.3168,
0.0000

 64.5785, 44.9541,
16.3282

 0.6291, 0.0000,
0.0000

 85.5001, 61.9027,
25.6360

 0.0000, 0.0000,
0.0000

 110.5128, 82.6515,
37.9417

 139.9821,

107.5848, 53.6639

 174.2732,
137.0872, 73.2212

 14.4972, 7.4736,
0.6785


 14.4972, 7.4736,
0.6785


 14.4973, 7.4740,
0.6785

 14.7762, 7.8822,
1.2329

 15.2749, 8.6120,
2.2238

 16.0883, 9.8024,
3.8406

 17.2568, 11.5123,
6.1633

 18.8147, 13.7920,
9.2602

■ 20.7923, 16.6858,
13.1915

■ 23.2169, 20.2336,
18.0114

■ 26.1134, 24.4720,
23.7697

■ 29.5050, 29.4348,
30.5124

Harmonies

Analogous

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



17.2432, 7.4736, 5.0484



14.4972, 7.4736, 0.6785



10.0069, 7.4736, 0.0000

Triad

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



14.4972, 7.4736, 0.6785



2.1624, 7.4736, 2.7610



8.4327, 7.4736, 52.3530

Complementary

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



14.4972, 7.4736, 0.6785



18.9115, 27.6709, 37.6016

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.



4.8241, 7.4736, 48.9146



14.4972, 7.4736, 0.6785



2.0058, 7.4736, 12.2833

Square

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



14.4972, 7.4736, 0.6785



3.3330, 7.4736, 0.0084



2.7810, 7.4736, 30.7358



12.9922, 7.4736, 37.9760

Rectangle

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



14.4972, 7.4736, 0.6785



7.1413, 7.4736, 0.0000



2.7810, 7.4736, 30.7358



7.0657, 7.4736, 53.4142

Sweetspot

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



14.4974, 7.4741, 0.6786



41.8774, 36.3318, 32.1508



20.8422, 10.0116, 34.0913



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.



14.4974, 7.4741, 0.6786



26.3231, 13.5706, 1.2320



17.3658, 13.2109, 1.6347



6.6332, 6.6463, 6.9189



11.2933, 5.8223, 0.5286



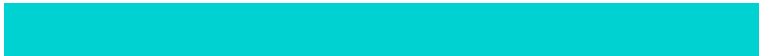
0.2019, 0.1041, 0.0095

Inverse Universe

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



18.9115, 27.6709, 37.6016



34.3381, 50.2427, 68.2745



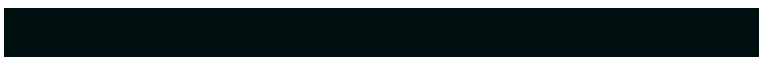
9.2138, 8.2755, 34.3691



6.8218, 7.5093, 8.4966



14.7320, 21.5555, 29.2914



0.2634, 0.3855, 0.5237

Previews

White Background



This preview shows how the XYZ color 14.4972, 7.4736, 0.6785 looks on a white background.

Color Contrast Check

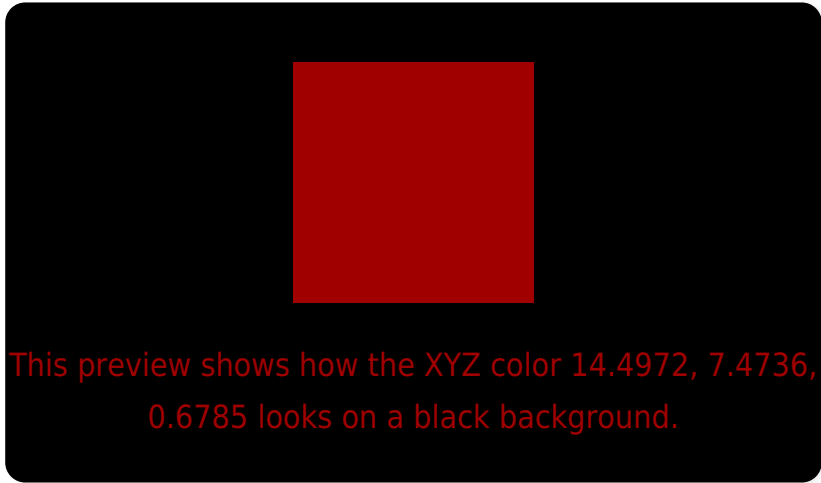
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.4972, 7.4736, 0.6785

Background



This preview shows how black text looks on a background with the XYZ color 14.4972, 7.4736, 0.6785.



This preview shows how white text looks on a background with the XYZ color 14.4972, 7.4736,

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

14.4972, 7.4736, 0.6785

Protanopia

7.3922, 8.1631, 1.8955

Deuteranopia

8.1334, 8.1325, 1.1411



Tritanopia

14.4689, 7.7126, 0.7261

Trichromacy



Original Color

14.4972, 7.4736, 0.6785

Protanomaly

8.5031, 6.1980, 1.1289

Deuteranomaly

9.2667, 6.4076, 0.7484

Tritanomaly

14.4066, 7.5880, 0.7053

Monochromacy



Original Color

14.4972, 7.4736, 0.6785

Achromatopsia

2.8094, 2.9557, 3.2187

Achromatomaly

4.8571, 3.2027, 1.6585

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.4972, 7.4736, 0.6785 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(160, 0, 0)` looks like.

```
.text, #text, p{  
    color:rgb(160, 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(160, 0, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 0, 0) }
```

Border

The CSS property to change the border of an element to XYZ 14.4972, 7.4736, 0.6785 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(160, 0, 0) }
```


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

```
.border{ border-color:rgb(160, 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(160, 0, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 0, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(160, 0, 0); box-shadow:4px  
4px 4px 4px rgb(160, 0, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 14.4972, 7.4736, 0.6785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 0, 0) }
```

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

```
.background{ background-color: rgb(160, 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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