

Converting Colors

XYZ(14.7716, 7.5984, 1.4431)

Have a look what the booklet for
XYZ(14.7716, 7.5984, 1.4431)
contains.

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Color

**XYZ(14.8428, 7.6350,
1.4505)**

Conversions

Conversions Part 1

Format	Color
Hex	A10016
RGB	161, 0, 22
RGB Percent	63%, 0%, 9%
CMY	0.3686, 0.9999, 0.9137
CMYK	0.00, 1.00, 0.86, 0.37
HSL	352°, 100%, 32%
HSV	352°, 100%, 63%
XYZ	14.8428, 7.6350, 1.4505
YIQ	50.6470, 88.8940, 40.9740

Conversions

Conversions Part 2

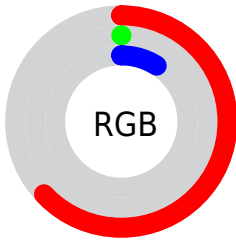
Format	Color
RYB	161, 0, 22
Decimal	10551318
CIELab	33.21, 57.14, 37.43
CIElCh	33, 68.309, 33.231
Yxy	7.6350, 0.6203, 0.3191
Android (android.graphics.Color)	4288741398 (0xFFA10016)
YUV	50.6470, -14.1230, 96.7796
Hunter-Lab	27.6315, 47.5296, 16.2297

Details

The XYZ color **14.8428, 7.6350, 1.4505** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **17.4070, 27.3545, 28.7974**, and the grayscale version is **3.1159, 3.2781, 3.5699**.

A 20% lighter version of the original color is **34.2399, 21.2728, 7.4557**, and **5.2555, 2.7093, 0.2460** is the 20% darker color. If you saturate the color by 10%, you get **14.8425, 7.6349, 1.4494**, and if you desaturate by 10%, it is **15.2020, 8.0781, 2.4193**.

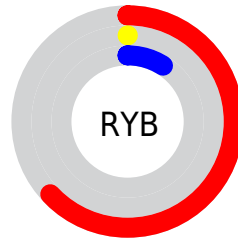
Distribution



Red (63%)

Green (0%)

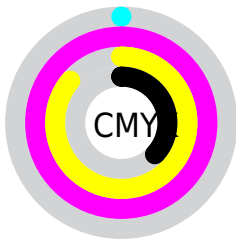
Blue (9%)



Red (63%)

Yellow (0%)

Blue (9%)

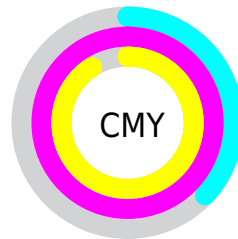


Cyan (0%)

Magenta (100%)

Yellow (86%)

Black (37%)



Cyan (37%)


Magenta (100%)


Yellow (91%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 14.8428, 7.6350, 1.4505 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 14.8428, 7.6350, 1.4505 by changing the saturation by 10% instead.


 14.8428, 7.6350,
1.4505


 14.8428, 7.6350,
1.4505


 215.8200,
172.8405, 113.1577


 8.7947, 3.8623,
0.1806


 34.1511, 21.2397,
7.4753


 4.6636, 1.5968,
0.0000

 48.1420, 31.8405,
13.2604


 2.0840, 0.3555,
0.0000

 65.5113, 45.4862,
21.4521

 0.6805, 0.0000,
0.0000

 86.6242, 62.5610,
32.4689


 0.0000, 0.0000,
0.0000


 111.8462, 83.4495,
46.7293


 141.5426,


108.5359, 64.6519


 176.0788,
138.2048, 86.6552


 14.8428, 7.6350,
1.4505


 14.8428, 7.6350,
1.4505


 14.8425, 7.6349,
1.4494

 15.2020, 8.0781,
2.4193

 15.7920, 8.8508,
3.8717

 16.6852, 10.0844,
5.8740

 17.9164, 11.8363,
8.4748

 19.5155, 14.1556,
11.7172

■ 21.5090, 17.0856,
15.6403

■ 23.9210, 20.6653,
20.2801

■ 26.7736, 24.9307,
25.6699

■ 30.0874, 29.9149,
31.8410

Harmonies

Analogous

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



16.7485, 7.6350, 7.2320



14.8428, 7.6350, 1.4505



10.8946, 7.6350, 0.0000

Triad

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



14.8428, 7.6350, 1.4505



2.6245, 7.6350, 2.1527



7.6592, 7.6350, 48.7916

Complementary

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



14.8428, 7.6350, 1.4505



17.4070, 27.3545, 28.7974

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.



4.5350, 7.6350, 42.2140



14.8428, 7.6350, 1.4505



2.2665, 7.6350, 9.4971

Square

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



14.8428, 7.6350, 1.4505



4.0529, 7.6350, 0.0085



2.8303, 7.6350, 24.8857



11.8169, 7.6350, 38.9578

Rectangle

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



14.8428, 7.6350, 1.4505



8.1149, 7.6350, 0.0000



2.8303, 7.6350, 24.8857



6.4615, 7.6350, 48.4410

Sweetspot

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



14.8430, 7.6355, 1.4506



42.5697, 36.6063, 35.8034



16.7258, 7.8797, 34.3574



8.9463, 7.4485, 7.1057



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.



14.8430, 7.6355, 1.4506



26.5390, 13.6564, 2.3704



16.1300, 10.4410, 1.1659



7.1113, 7.1010, 7.5727



11.8637, 6.1015, 1.2070



0.2600, 0.1325, 0.0818

Inverse Universe

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



14.8430, 7.6355, 1.4506



26.5390, 13.6564, 2.3704



11.4501, 12.6070, 35.5480



7.1113, 7.1010, 7.5727



11.8637, 6.1015, 1.2070



0.2600, 0.1325, 0.0818

Previews

White Background



This preview shows how the XYZ color 14.8428, 7.6350, 1.4505 looks on a white background.

Color Contrast Check

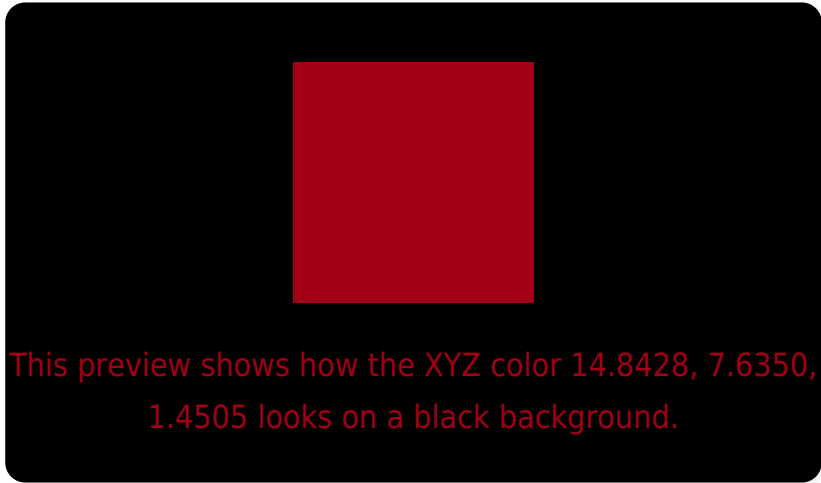
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.8428, 7.6350, 1.4505

Background



This preview shows how black text looks on a background with the XYZ color 14.8428, 7.6350, 1.4505.



This preview shows how white text looks on a background with the XYZ color 14.8428, 7.6350,

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

14.8428, 7.6350, 1.4505

Protanopia

7.4928, 8.1921, 2.9366

Deuteranopia

8.2474, 8.1913, 1.1464



Tritanopia

14.6680, 7.8152, 0.7354

Trichromacy



Original Color

14.8428, 7.6350, 1.4505

Protanomaly

8.6912, 6.2733, 2.1193

Deuteranomaly

9.4543, 6.4992, 0.9859

Tritanomaly

14.6496, 7.7082, 0.9454

Monochromacy



Original Color

14.8428, 7.6350, 1.4505

Achromatopsia

3.1466, 3.3105, 3.6051

Achromatomaly

5.2139, 3.4104, 2.3909

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.8428, 7.6350, 1.4505 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(161, 0, 22)` looks like.

```
.text, #text, p{  
    color:rgb(161, 0, 22)  
}
```

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(161, 0, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 0, 22) }
```

Border

The CSS property to change the border of an element to XYZ 14.8428, 7.6350, 1.4505 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(161, 0, 22) }
```


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

```
.border{ border-color:rgb(161, 0, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 0, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 0, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 0, 22);  
box-shadow:4px 4px 4px 4px rgb(161, 0, 22)  
}
```

Background

The CSS property to change the background color of an element to XYZ 14.8428, 7.6350, 1.4505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 0, 22) }
```

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

```
.background{ background-color: rgb(161, 0,  
22) }
```

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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