

Converting Colors

XYZ(13.5663, 6.9441, 2.8763)

Have a look what the booklet for
XYZ(13.5663, 6.9441, 2.8763)
contains.

XYZ(13.5729, 6.9467, 2.9110)	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(13.5729, 6.9467,
2.9110)**

Conversions

Conversions Part 1

Format	Color
Hex	99002B
RGB	153, 0, 43
RGB Percent	60%, 0%, 17%
CMY	0.4000, 0.9999, 0.8314
CMYK	0.00, 1.00, 0.72, 0.40
HSL	343°, 100%, 30%
HSV	343°, 100%, 60%
XYZ	13.5729, 6.9467, 2.9110
YIQ	50.6490, 77.3850, 45.8090

Conversions

Conversions Part 2

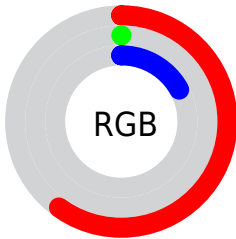
Format	Color
RYB	153, 0, 43
Decimal	10027051
CIELab	31.69, 55.81, 22.41
CIELCh	32, 60.138, 21.882
Yxy	6.9467, 0.5793, 0.2965
Android (android.graphics.Color)	4288217131 (0xFF99002B)
YUV	50.6490, -3.7710, 89.7618
Hunter-Lab	26.3566, 45.7984, 11.9012

Details

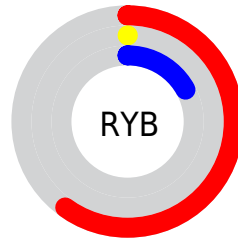
The XYZ color **13.5729, 6.9467, 2.9110** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **14.2070, 23.9087, 18.6237**, and the grayscale version is **3.1052, 3.2670, 3.5577**.

A 20% lighter version of the original color is **31.9418, 19.8983, 11.3898**, and **4.6161, 2.3797, 0.2160** is the 20% darker color. If you saturate the color by 10%, you get **13.5725, 6.9466, 2.9095**, and if you desaturate by 10%, it is **13.9781, 7.3894, 4.1798**.

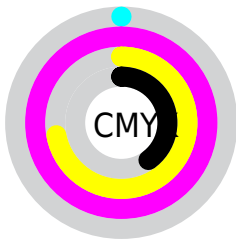
Distribution



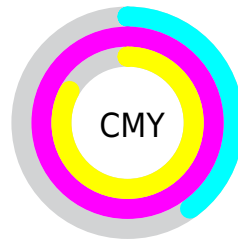
- Red (60%)
- Green (0%)
- Blue (17%)



- Red (60%)
- Yellow (0%)
- Blue (17%)



- Cyan (0%)
- Magenta (100%)
- Yellow (72%)
- Black (40%)




- Cyan (40%)
- Magenta (100%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.5729, 6.9467, 2.9110 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 13.5729, 6.9467, 2.9110 by changing the saturation by 10% instead.


 13.5729, 6.9467,
2.9110


 13.5729, 6.9467,
2.9110


208.1216,
167.2201, 135.2189


 7.9039, 3.4288,
1.0494


 31.9219, 19.8659,
11.4080


 4.0848, 1.3595,
0.0000


 45.3326, 30.0360,
18.8805

 1.7502, 0.1866,
0.0000

 62.0546, 43.1923,
29.0603

 0.4874, 0.0000,
0.0000


 82.4533, 59.7191,
42.3661


 0.0000, 0.0000,
0.0000


 106.8940, 80.0009,
59.2163


 135.7420,


104.4221, 80.0294

 169.3628,
133.3670, 105.2241


 13.5729, 6.9467,
2.9110


 13.5729, 6.9467,
2.9110


 13.5725, 6.9466,
2.9095

 13.9781, 7.3894,
4.1798

 14.5712, 8.1142,
5.7998

 15.4154, 9.2420,
7.8097

 16.5379, 10.8216,
10.2353

 17.9622, 12.8952,
13.0995

■ 19.7092, 15.4999,
16.4235

■ 21.7979, 18.6692,
20.2273

■ 24.2456, 22.4339,
24.5292

■ 27.0687, 26.8226,
29.3470

Harmonies

Analogous

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



14.1624, 6.9467, 10.1582



13.5729, 6.9467, 2.9110



10.8652, 6.9467, 0.5116

Triad

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



13.5729, 6.9467, 2.9110



3.0121, 6.9467, 1.2480



5.8175, 6.9467, 38.7660

Complementary

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



13.5729, 6.9467, 2.9110



14.2070, 23.9087, 18.6237

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.



3.6324, 6.9467, 29.5780



13.5729, 6.9467, 2.9110



2.3666, 6.9467, 5.4536

Square

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



13.5729, 6.9467, 2.9110



4.6697, 6.9467, 0.0000



2.5527, 6.9467, 15.5892



9.0066, 6.9467, 35.7857

Rectangle

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



13.5729, 6.9467, 2.9110



8.5739, 6.9467, 0.0000



2.5527, 6.9467, 15.5892



4.9594, 6.9467, 36.8466

Sweetspot

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



13.5731, 6.9471, 2.9111



38.7929, 33.0605, 35.7867



12.1376, 5.5933, 30.5767



8.2347, 6.7957, 7.3046



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



13.5731, 6.9471, 2.9111



24.2376, 12.4128, 4.8446



13.6854, 7.8693, 0.7982



6.2766, 6.2498, 6.8366



11.2303, 5.7464, 2.4719



0.1819, 0.0915, 0.1109

Inverse Universe

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



13.5731, 6.9471, 2.9111



24.2376, 12.4128, 4.8446



12.4489, 15.6979, 32.5106



6.2766, 6.2498, 6.8366



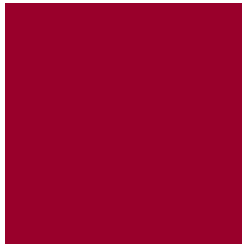
11.2303, 5.7464, 2.4719



0.1819, 0.0915, 0.1109

Previews

White Background



This preview shows how the XYZ color 13.5729, 6.9467, 2.9110 looks on a white background.

Color Contrast Check

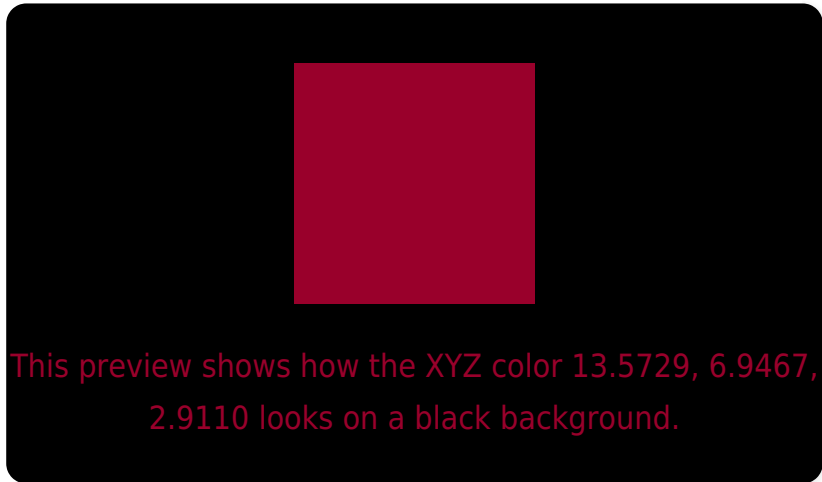
Large Text (above 18pt) WCAG AA ✓ Pass

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

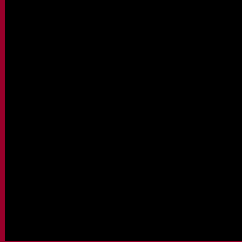
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.5729, 6.9467, 2.9110

Background



This preview shows how black text looks on a background with the XYZ color 13.5729, 6.9467, 2.9110.



This preview shows how white text looks on a background with the XYZ color 13.5729, 6.9467,

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

13.5729, 6.9467, 2.9110

Protanopia

7.1295, 7.6128, 5.9441

Deuteranopia

7.5760, 7.5057, 2.6396



Tritanopia

13.2378, 7.1371, 1.0606

Trichromacy



Original Color

13.5729, 6.9467, 2.9110

Protanomaly

8.0388, 5.7549, 4.4285

Deuteranomaly

8.7025, 5.9549, 2.5245

Tritanomaly

13.2334, 6.9807, 1.5141

Monochromacy



Original Color

13.5729, 6.9467, 2.9110

Achromatopsia

3.1466, 3.3105, 3.6051

Achromatomaly

5.0745, 3.3211, 3.1699

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5729, 6.9467, 2.9110 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(153, 0, 43)` looks like.

```
.text, #text, p{  
    color:rgb(153, 0, 43)  
}
```

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(153, 0, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 0, 43) }
```

Border

The CSS property to change the border of an element to XYZ 13.5729, 6.9467, 2.9110 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(153, 0, 43) }
```


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

```
.border{ border-color:rgb(153, 0, 43) }
```

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

Here you see how a box with a 4 pixel rgb(153, 0, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 0, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 0, 43);  
box-shadow:4px 4px 4px 4px rgb(153, 0, 43)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.5729, 6.9467, 2.9110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 0, 43) }
```

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

```
.background{ background-color: rgb(153, 0,  
43) }
```

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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