

Converting Colors

XYZ(13.6301, 7.4584, 1.7052)

Have a look what the booklet for
XYZ(13.6301, 7.4584, 1.7052)
contains.

XYZ(13.6297, 7.4597, 1.6988)	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(13.6297, 7.4597,
1.6988)**

Conversions

Conversions Part 1

Format	Color
Hex	99171A
RGB	153, 23, 26
RGB Percent	60%, 9%, 10%
CMY	0.4000, 0.9097, 0.8980
CMYK	0.00, 0.85, 0.83, 0.40
HSL	359°, 74%, 35%
HSV	359°, 85%, 60%
XYZ	13.6297, 7.4597, 1.6988
YIQ	62.2120, 76.5170, 28.4930

Conversions

Conversions Part 2

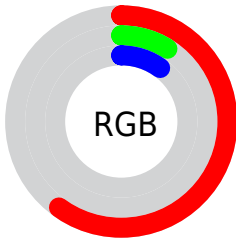
Format	Color
R_{YB}	153, 23, 26
Decimal	10032922
CIE Lab	32.83, 51.23, 34.22
CIE LCh	33, 61.605, 33.739
Yxy	7.4597, 0.5981, 0.3273
Android (android.graphics.Color)	4288223002 (0xFF99171A)
YUV	62.2120, -17.8525, 79.6211
Hunter-Lab	27.3125, 41.2799, 15.4310

Details

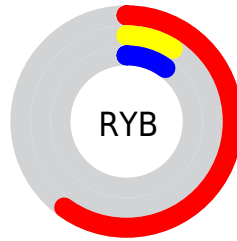
The XYZ color **13.6297, 7.4597, 1.6988** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **17.2508, 25.1670, 32.8079**, and the grayscale version is **4.6278, 4.8688, 5.3021**.

A 20% lighter version of the original color is **31.8543, 20.7729, 8.1250**, and **4.5142, 2.3272, 0.2113** is the 20% darker color. If you saturate the color by 10%, you get **13.2812, 6.9640, 0.9624**, and if you desaturate by 10%, it is **14.2393, 8.3384, 2.9521**.

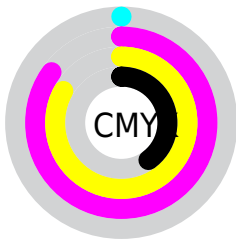
Distribution



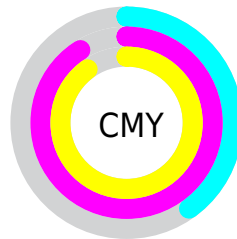
- Red (60%)
- Green (9%)
- Blue (10%)



- Red (60%)
- Yellow (9%)
- Blue (10%)



- Cyan (0%)
- Magenta (85%)
- Yellow (83%)
- Black (40%)




- Cyan (40%)
- Magenta (91%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6297, 7.4597, 1.6988 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 13.6297, 7.4597, 1.6988 by changing the saturation by 10% instead.


 13.6297, 7.4597,
1.6988


 13.6297, 7.4597,
1.6988


208.4719,
171.4306, 117.5091


 7.9435, 3.7512,
0.3599


 32.0223, 20.8922,
8.1997


 4.1103, 1.5354,
0.0000

 45.4595, 31.3850,
14.3162


 1.7647, 0.3134,
0.0000

 62.2110, 44.9081,
22.9016

 0.4963, 0.0000,
0.0000


 82.6423, 61.8457,
34.3743


 0.0000, 0.0000,
0.0000

 107.1187, 82.5824,
49.1528


 136.0055,

107.5026, 67.6558


 169.6681,
136.9905, 90.3017

 13.6297, 7.4597,
1.6988


 13.6297, 7.4597,
1.6988


 13.2812, 6.9640,
0.9624


 14.2393, 8.3384,
2.9521

 13.1560, 6.7799,
0.7162

 15.1493, 9.6593,
4.7942

 16.3919, 11.4708,
7.2855

 17.9951, 13.8147,
10.4787

 19.9837, 16.7281,
14.4215

■ 22.3806, 20.2450,
19.1570

■ 25.2068, 24.3966,
24.7253

■ 28.4817, 29.2121,
31.1636

■ 32.2237, 34.7187,
38.5071

Harmonies

Analogous

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



15.2938, 7.4597, 7.0142



13.6297, 7.4597, 1.6988



10.2170, 7.4597, 0.0950

Triad

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



13.6297, 7.4597, 1.6988



2.8443, 7.4597, 2.5118



7.5040, 7.4597, 42.0675

Complementary

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



13.6297, 7.4597, 1.6988



17.2508, 25.1670, 32.8079

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.



4.6769, 7.4597, 36.8997



13.6297, 7.4597, 1.6988



2.5156, 7.4597, 9.3415

Square

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



13.6297, 7.4597, 1.6988



4.1640, 7.4597, 0.3759



3.0709, 7.4597, 22.5952



11.1406, 7.4597, 33.8013

Rectangle

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



13.6297, 7.4597, 1.6988



7.7911, 7.4597, 0.0000



3.0709, 7.4597, 22.5952



6.4327, 7.4597, 41.8631

Sweetspot

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



13.6299, 7.4602, 1.6989



39.8325, 35.8910, 33.8167



18.3900, 9.2715, 30.9570



8.4761, 7.4564, 6.8367



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.



13.6299, 7.4602, 1.6989



23.5517, 12.1385, 1.2329



16.4366, 13.1243, 2.4783



6.2143, 6.2249, 6.5084



10.8751, 5.6043, 0.6011



0.1639, 0.0843, 0.0160

Inverse Universe

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



13.6299, 7.4602, 1.6989



23.5517, 12.1385, 1.2329



9.9600, 10.1954, 31.5796



6.2143, 6.2249, 6.5084



10.8751, 5.6043, 0.6011



0.1639, 0.0843, 0.0160

Previews

White Background



This preview shows how the XYZ color 13.6297, 7.4597, 1.6988 looks on a white background.

Color Contrast Check

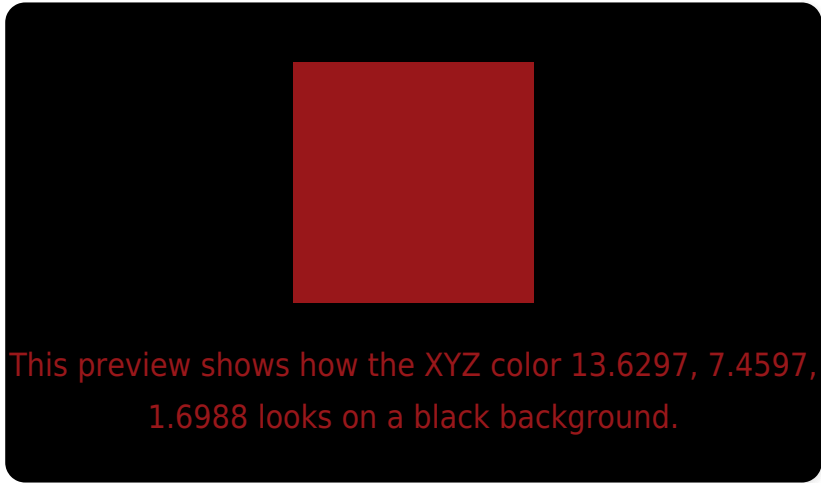
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.6297, 7.4597, 1.6988

Background



This preview shows how black text looks on a background with the XYZ color 13.6297, 7.4597, 1.6988.



This preview shows how white text looks on a background with the XYZ color 13.6297, 7.4597,

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

13.6297, 7.4597, 1.6988

Protanopia

7.1095, 7.7714, 3.1328

Deuteranopia

7.8320, 7.7656, 1.4027



Tritanopia

13.6083, 7.4835, 1.4863

Trichromacy



Original Color

13.6297, 7.4597, 1.6988

Protanomaly

8.4229, 6.6288, 2.4257

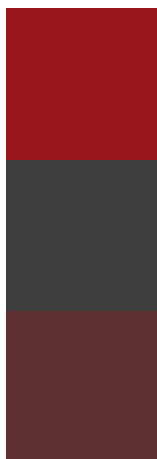
Deuteranomaly

9.1154, 6.7877, 1.3199

Tritanomaly

13.6182, 7.4874, 1.5381

Monochromacy



Original Color

13.6297, 7.4597, 1.6988

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

6.3306, 4.7686, 3.4925

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6297, 7.4597, 1.6988 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, 23, 26)` looks like.

```
.text, #text, p{  
    color:rgb(153, 23, 26)  
}
```

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, 23, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 23, 26) }
```

Border

The CSS property to change the border of an element to XYZ 13.6297, 7.4597, 1.6988 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, 23, 26) }
```


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

```
.border{ border-color:rgb(153, 23, 26) }
```

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

Here you see how a box with a 4 pixel rgb(153, 23, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 23, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 23, 26);  
box-shadow:4px 4px 4px 4px rgb(153, 23,  
26) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6297, 7.4597, 1.6988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 23, 26) }
```

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

```
.background{ background-color: rgb(153, 23,  
26) }
```

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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