

Converting Colors

XYZ(13.0709, 6.6371, 5.1849)

Have a look what the booklet for
XYZ(13.0709, 6.6371, 5.1849)
contains.

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Color

**XYZ(13.0822, 6.6437,
5.1503)**

Conversions

Conversions Part 1

Format	Color
Hex	94003E
RGB	148, 0, 62
RGB Percent	58%, 0%, 24%
CMY	0.4196, 0.9999, 0.7569
CMYK	0.00, 1.00, 0.58, 0.42
HSL	335°, 100%, 29%
HSV	335°, 100%, 58%
XYZ	13.0822, 6.6437, 5.1503
YIQ	51.3200, 68.3060, 50.6580

Conversions

Conversions Part 2

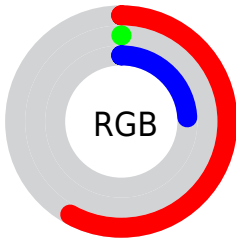
Format	Color
RYB	148, 0, 62
Decimal	9699390
CIELab	30.98, 55.65, 8.67
CIELCh	31, 56.322, 8.858
Yxy	6.6437, 0.5259, 0.2671
Android (android.graphics.Color)	4287889470 (0xFF94003E)
YUV	51.3200, 5.2652, 84.7884
Hunter-Lab	25.7754, 45.4901, 6.1957

Details

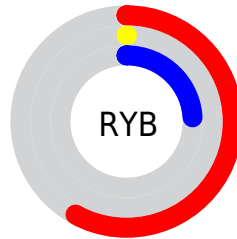
The XYZ color **13.0822, 6.6437, 5.1503** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **12.2706, 21.8520, 12.3795**, and the grayscale version is **3.1737, 3.3389, 3.6361**.

A 20% lighter version of the original color is **31.1553, 19.2791, 16.5472**, and **4.3427, 2.2242, 0.8622** is the 20% darker color. If you saturate the color by 10%, you get **13.0818, 6.6435, 5.1485**, and if you desaturate by 10%, it is **13.5055, 7.0823, 6.5496**.

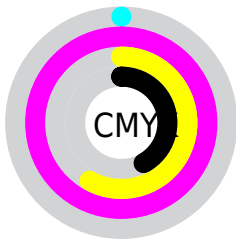
Distribution



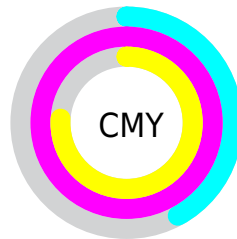
- Red (58%)
- Green (0%)
- Blue (24%)



- Red (58%)
- Yellow (0%)
- Blue (24%)



- Cyan (0%)
- Magenta (100%)
- Yellow (58%)
- Black (42%)





- Cyan (42%)
- Magenta (100%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0822, 6.6437, 5.1503 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 13.0822, 6.6437, 5.1503 by changing the saturation by 10% instead.


 13.0822, 6.6437,
5.1503


 13.0822, 6.6437,
5.1503


205.0708,
164.6694, 160.2619


 7.5626, 3.2403,
2.2754


 31.0514, 19.2528,
16.5861


 3.8658, 1.2584,
0.7174

 44.2318, 29.2272,
25.9841


 1.6265, 0.1087,
0.0000

 60.6963, 42.1608,
38.3936

 0.4096, 0.0000,
0.0000


 80.8106, 58.4379,
54.2331

 0.0000, 0.0000,
0.0000


 104.9397, 78.4429,
73.9211


 133.4493,


102.5602, 97.8763


 166.7045,
131.1743, 126.5170

 13.0822, 6.6437,
5.1503


 13.0822, 6.6437,
5.1503


 13.0818, 6.6435,
5.1485

 13.5055, 7.0823,
6.5496

 14.0860, 7.7728,
8.1937

 14.8824, 8.8301,
10.1099

 15.9180, 10.2985,
12.3132

 17.2129, 12.2162,
14.8170

■ 18.7851, 14.6168,
17.6338

■ 20.6506, 17.5306,
20.7754

■ 22.8245, 20.9856,
24.2527

■ 25.3207, 25.0075,
28.0761

Harmonies

Analogous

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



12.6137, 6.6437, 14.1554



13.0822, 6.6437, 5.1503



11.3702, 6.6437, 1.2962

Triad

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



13.0822, 6.6437, 5.1503



3.5523, 6.6437, 0.6683



4.5985, 6.6437, 32.4071

Complementary

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



13.0822, 6.6437, 5.1503



12.2706, 21.8520, 12.3795

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.



3.0363, 6.6437, 21.4308



13.0822, 6.6437, 5.1503



2.5651, 6.6437, 3.0422

Square

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



13.0822, 6.6437, 5.1503



5.5376, 6.6437, 0.0000



2.4083, 6.6437, 9.8149



7.1612, 6.6437, 34.7318

Rectangle

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



13.0822, 6.6437, 5.1503



9.4502, 6.6437, 0.3644



2.4083, 6.6437, 9.8149



3.9630, 6.6437, 29.3587

Sweetspot

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



13.0824, 6.6441, 5.1504



36.2201, 30.5899, 36.3007



8.9905, 4.0176, 28.3183



7.9690, 6.5135, 7.7895



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



13.0824, 6.6441, 5.1504



23.0006, 11.6895, 8.6534



12.3201, 6.5105, 0.6079



5.8955, 5.8533, 6.5560



11.1871, 5.6799, 4.4664



0.1511, 0.0752, 0.1292

Inverse Universe

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



13.0824, 6.6441, 5.1504



23.0006, 11.6895, 8.6534



14.4532, 20.3537, 31.1836



5.8955, 5.8533, 6.5560



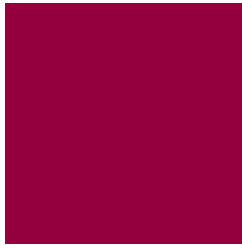
11.1871, 5.6799, 4.4664



0.1511, 0.0752, 0.1292

Previews

White Background



This preview shows how the XYZ color 13.0822, 6.6437, 5.1503 looks on a white background.

Color Contrast Check

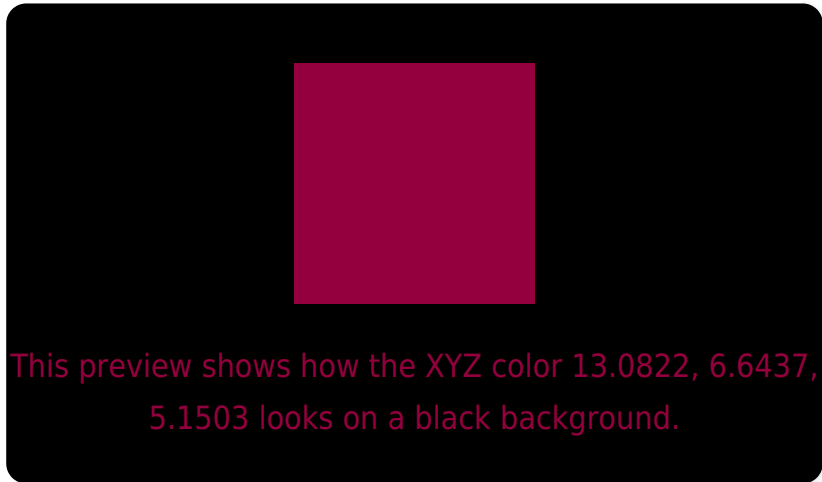
Large Text (above 18pt) WCAG AA ✓ Pass

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

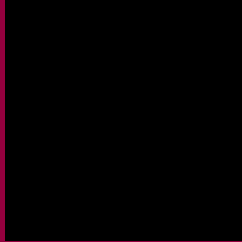
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.0822, 6.6437, 5.1503

Background



This preview shows how black text looks on a background with the XYZ color 13.0822, 6.6437, 5.1503.



This preview shows how white text looks on a background with the XYZ color 13.0822, 6.6437,

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

13.0822, 6.6437, 5.1503

Protanopia

7.1776, 7.3235, 10.7081

Deuteranopia

7.3128, 7.2243, 4.7504



Tritanopia

12.5451, 6.9643, 1.5472

Trichromacy



Original Color

13.0822, 6.6437, 5.1503

Protanomaly

7.7605, 5.4024, 8.2232

Deuteranomaly

8.2963, 5.6390, 4.6542

Tritanomaly

12.5678, 6.7136, 2.4672

Monochromacy



Original Color

13.0822, 6.6437, 5.1503

Achromatopsia

3.1466, 3.3105, 3.6051

Achromatomaly

5.0439, 3.2873, 3.9831

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0822, 6.6437, 5.1503 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(148, 0, 62)` looks like.

```
.text, #text, p{  
    color:rgb(148, 0, 62)  
}
```

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(148, 0, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 0, 62) }
```

Border

The CSS property to change the border of an element to XYZ 13.0822, 6.6437, 5.1503 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(148, 0, 62) }
```


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

```
.border{ border-color:rgb(148, 0, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 0, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 0, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 0, 62);  
box-shadow:4px 4px 4px 4px rgb(148, 0, 62)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.0822, 6.6437, 5.1503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 0, 62) }
```

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

```
.background{ background-color: rgb(148, 0,  
62) }
```

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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