

Converting Colors

XYZ(12.7307, 6.5552, 0.9603)

Have a look what the booklet for
XYZ(12.7307, 6.5552, 0.9603)
contains.

XYZ(12.6503, 6.5131, 0.9712)	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(12.6503, 6.5131,
0.9712)**

Conversions

Conversions Part 1

Format	Color
Hex	96000D
RGB	150, 0, 13
RGB Percent	59%, 0%, 5%
CMY	0.4118, 0.9999, 0.9490
CMYK	0.00, 1.00, 0.91, 0.41
HSL	355°, 100%, 29%
HSV	355°, 100%, 59%
XYZ	12.6503, 6.5131, 0.9712
YIQ	46.3320, 85.2270, 35.8430

Conversions

Conversions Part 2

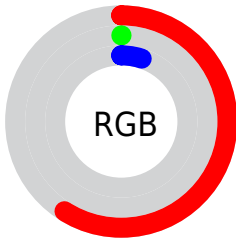
Format	Color
RYB	150, 0, 13
Decimal	9830413
CIELab	30.67, 54.11, 38.99
CIElCh	31, 66.697, 35.774
Yxy	6.5131, 0.6283, 0.3235
Android (android.graphics.Color)	4288020493 (0xFF96000D)
YUV	46.3320, -16.4327, 90.9168
Hunter-Lab	25.5208, 43.8187, 15.6082

Details

The XYZ color **12.6503, 6.5131, 0.9712** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **15.4234, 23.6193, 27.4210**, and the grayscale version is **2.6431, 2.7808, 3.0283**.

A 20% lighter version of the original color is **30.2073, 18.9272, 5.9321**, and **4.1198, 2.1238, 0.1928** is the 20% darker color. If you saturate the color by 10%, you get **12.6501, 6.5130, 0.9705**, and if you desaturate by 10%, it is **12.9431, 6.9040, 1.6694**.

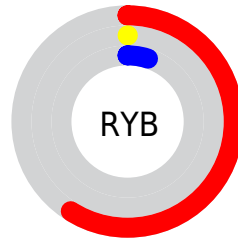
Distribution



Red (59%)

Green (0%)

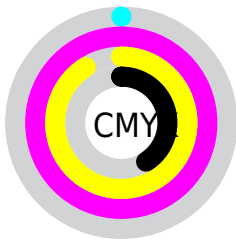
Blue (5%)



Red (59%)

Yellow (0%)

Blue (5%)

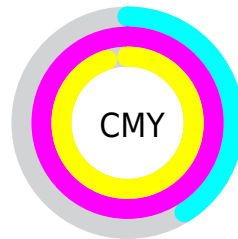


Cyan (0%)

Magenta (100%)

Yellow (91%)

Black (41%)



Cyan (41%)


Magenta (100%)

Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 12.6503, 6.5131, 0.9712 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 12.6503, 6.5131, 0.9712 by changing the saturation by 10% instead.


 12.6503, 6.5131,
0.9712


 12.6503, 6.5131,
0.9712


 202.3474,
163.5544, 103.5027


 7.2635, 3.1595,
0.0000


 30.2808, 18.9868,
5.9653


 3.6752, 1.2156,
0.0000

 43.2552, 28.8757,
11.0190


 1.5201, 0.0744,
0.0000

 59.4895, 41.7118,
18.3352

 0.3394, 0.0000,
0.0000


 79.3491, 57.8795,
28.3324

 0.0000, 0.0000,
0.0000

 103.1993, 77.7632,
41.4293


 131.4056,


101.7473, 58.0442


 164.3331,
130.2162, 78.5958


 12.6503, 6.5131,
0.9712


 12.6503, 6.5131,
0.9712


 12.6501, 6.5130,
0.9705

 12.9431, 6.9040,
1.6694

 13.4323, 7.5696,
2.7969

 14.1852, 8.6298,
4.4213

 15.2321, 10.1331,
6.5913

 16.5996, 12.1210,
9.3501

■ 18.3108, 14.6302,
12.7360

■ 20.3871, 17.6940,
16.7847

■ 22.8479, 21.3428,
21.5286

■ 25.7112, 25.6048,
26.9985

Harmonies

Analogous

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



14.5595, 6.5131, 5.4613



12.6503, 6.5131, 0.9712



9.0763, 6.5131, 0.0000

Triad

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



12.6503, 6.5131, 0.9712



2.1020, 6.5131, 2.0378



6.8309, 6.5131, 43.0815

Complementary

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



12.6503, 6.5131, 0.9712



15.4234, 23.6193, 27.4210

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.



3.9921, 6.5131, 38.3906



12.6503, 6.5131, 0.9712



1.8630, 6.5131, 9.0180

Square

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



12.6503, 6.5131, 0.9712



3.2436, 6.5131, 0.0000



2.4182, 6.5131, 23.2023



10.5328, 6.5131, 33.1762

Rectangle

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



12.6503, 6.5131, 0.9712



6.6554, 6.5131, 0.0000



2.4182, 6.5131, 23.2023



5.7478, 6.5131, 43.2199

Sweetspot

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



12.6504, 6.5135, 0.9713



35.7379, 30.8695, 29.1537



15.4971, 7.3535, 29.4564



7.5977, 6.3649, 5.8344



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.



12.6504, 6.5135, 0.9713



22.2962, 11.4826, 1.5622



14.1942, 9.7171, 1.1281



5.8200, 5.8231, 6.1581



10.4975, 5.4041, 0.8349



0.1325, 0.0678, 0.0314

Inverse Universe

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



12.6504, 6.5135, 0.9713



22.2962, 11.4826, 1.5622



9.1622, 9.5159, 30.2077



5.8200, 5.8231, 6.1581



10.4975, 5.4041, 0.8349



0.1325, 0.0678, 0.0314

Previews

White Background



This preview shows how the XYZ color 12.6503, 6.5131, 0.9712 looks on a white background.

Color Contrast Check

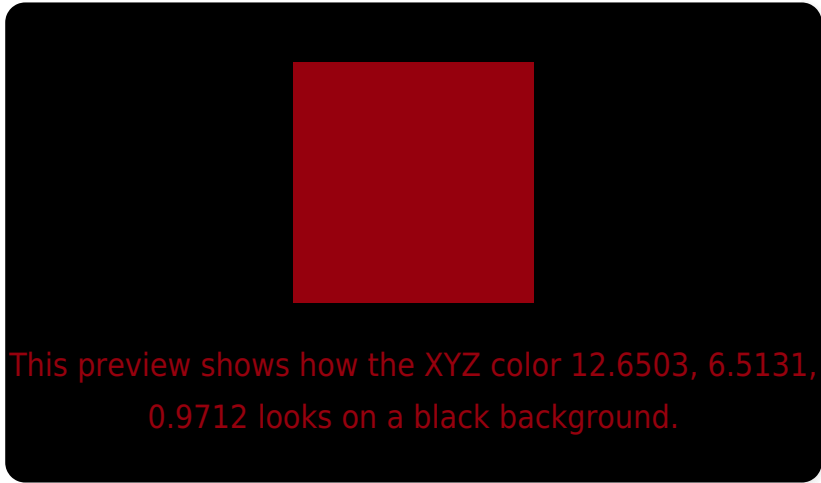
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.6503, 6.5131, 0.9712

Background



This preview shows how black text looks on a background with the XYZ color 12.6503, 6.5131, 0.9712.



This preview shows how white text looks on a background with the XYZ color 12.6503, 6.5131,

0.9712.

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

12.6503, 6.5131, 0.9712

Protanopia

6.5172, 7.1748, 2.0187

Deuteranopia

7.0367, 7.0676, 0.9933



Tritanopia

12.5515, 6.7036, 0.6324

Trichromacy



Original Color

12.6503, 6.5131, 0.9712

Protanomaly

7.4990, 5.4193, 1.3602

Deuteranomaly

8.0746, 5.6098, 0.8008

Tritanomaly

12.5195, 6.5959, 0.7569

Monochromacy



Original Color

12.6503, 6.5131, 0.9712

Achromatopsia

2.5969, 2.7321, 2.9752

Achromatomaly

4.3843, 2.8790, 1.8380

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6503, 6.5131, 0.9712 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(150, 0, 13)` looks like.

```
.text, #text, p{  
    color:rgb(150, 0, 13)  
}
```

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(150, 0, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 0, 13) }
```

Border

The CSS property to change the border of an element to XYZ 12.6503, 6.5131, 0.9712 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(150, 0, 13) }
```


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

```
.border{ border-color:rgb(150, 0, 13) }
```

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

Here you see how a box with a 4 pixel rgb(150, 0, 13) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 0, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 0, 13);  
box-shadow:4px 4px 4px 4px rgb(150, 0, 13)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.6503, 6.5131, 0.9712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 0, 13) }
```

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

```
.background{ background-color: rgb(150, 0,  
13) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor