

Converting Colors

XYZ(12.2401, 6.3048, 0.8099)

Have a look what the booklet for
XYZ(12.2401, 6.3048, 0.8099)
contains.

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Color

**XYZ(12.2566, 6.3134,
0.8023)**

Conversions

Conversions Part 1

Format	Color
Hex	940008
RGB	148, 0, 8
RGB Percent	58%, 0%, 3%
CMY	0.4196, 0.9999, 0.9686
CMYK	0.00, 1.00, 0.95, 0.42
HSL	357°, 100%, 29%
HSV	357°, 100%, 58%
XYZ	12.2566, 6.3134, 0.8023
YIQ	45.1640, 85.6400, 33.8640

Conversions

Conversions Part 2

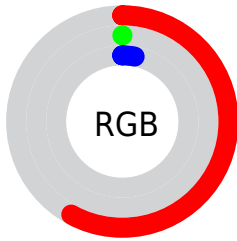
Format	Color
R_{YB}	148, 0, 8
Decimal	9699336
CIE Lab	30.19, 53.51, 40.58
CIE LCh	30, 67.158, 37.170
Yxy	6.3134, 0.6327, 0.3259
Android (android.graphics.Color)	4287889416 (0xFF940008)
YUV	45.1640, -18.3219, 90.1872
Hunter-Lab	25.1265, 43.1003, 15.6954

Details

The XYZ color **12.2566, 6.3134, 0.8023** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **15.3251, 23.0739, 28.4643**, and the grayscale version is **2.5238, 2.6552, 2.8915**.

A 20% lighter version of the original color is **29.5383, 18.5934, 5.4002**, and **3.9305, 2.0262, 0.1839** is the 20% darker color. If you saturate the color by 10%, you get **12.2564, 6.3134, 0.8018**, and if you desaturate by 10%, it is **12.5258, 6.6903, 1.3903**.

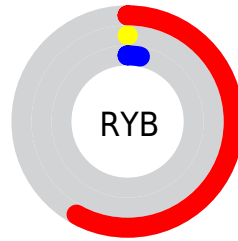
Distribution



Red (58%)

Green (0%)

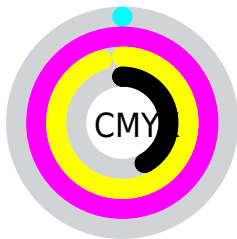
Blue (3%)



Red (58%)

Yellow (0%)

Blue (3%)

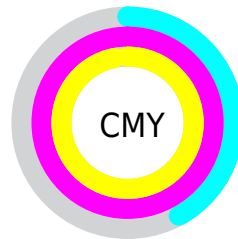


Cyan (0%)

Magenta (100%)

Yellow (95%)

Black (42%)



Cyan (42%)


Magenta (100%)

Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.2566, 6.3134, 0.8023 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 12.2566, 6.3134, 0.8023 by changing the saturation by 10% instead.

 12.2566, 6.3134,
0.8023


 12.2566, 6.3134,
0.8023


 199.8321,
161.8302, 99.7350


 6.9921, 3.0366,
0.0000


 29.5744, 18.5780,
5.4141


 3.5035, 1.1509,
0.0000

 42.3585, 28.3345,
10.1842


 1.4253, 0.0210,
0.0000

 58.3797, 41.0198,
17.1582

 0.2741, 0.0000,
0.0000

 78.0036, 57.0181,
26.7546


 0.0000, 0.0000,
0.0000

 101.5954, 76.7139,
39.3919


 129.5206,


100.4916, 55.4887


 162.1443,
128.7355, 75.4636

 12.2566, 6.3134,
0.8023


 12.2566, 6.3134,
0.8023


 12.2564, 6.3134,
0.8018

 12.5258, 6.6903,
1.3903

 12.9859, 7.3326,
2.4002

 13.7049, 8.3589,
3.9092

 14.7135, 9.8165,
5.9707

 16.0381, 11.7460,
8.6311

■ 17.7022, 14.1833,
11.9321

■ 19.7268, 17.1606,
15.9115

■ 22.1315, 20.7078,
20.6041

■ 24.9343, 24.8524,
26.0426

Harmonies

Analogous

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



14.2670, 6.3134, 4.9240



12.2566, 6.3134, 0.8023



8.6786, 6.3134, 0.0000

Triad

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



12.2566, 6.3134, 0.8023



1.9636, 6.3134, 2.0936



6.7910, 6.3134, 42.5928

Complementary

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



12.2566, 6.3134, 0.8023



15.3251, 23.0739, 28.4643

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.



3.9395, 6.3134, 38.5882



12.2566, 6.3134, 0.8023



1.7672, 6.3134, 9.2814

Square

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



12.2566, 6.3134, 0.8023



3.0288, 6.3134, 0.0000



2.3460, 6.3134, 23.6443



10.4681, 6.3134, 32.1300

Rectangle

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



12.2566, 6.3134, 0.8023



6.3055, 6.3134, 0.0000



2.3460, 6.3134, 23.6443



5.7059, 6.3134, 42.9813

Sweetspot

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



12.2567, 6.3138, 0.8024



34.5698, 29.9297, 27.6104



15.8490, 7.5533, 28.6395



7.5651, 6.3519, 5.6625



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.



12.2567, 6.3138, 0.8024



21.6053, 11.1314, 1.3060



14.0543, 9.9789, 1.1859



5.8127, 5.8202, 6.1200



10.4723, 5.3940, 0.7024



0.1307, 0.0670, 0.0218

Inverse Universe

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



12.2567, 6.3138, 0.8024



21.6053, 11.1314, 1.3060



8.5061, 8.4594, 29.2014



5.8127, 5.8202, 6.1200



10.4723, 5.3940, 0.7024



0.1307, 0.0670, 0.0218

Previews

White Background



This preview shows how the XYZ color 12.2566, 6.3134, 0.8023 looks on a white background.

Color Contrast Check

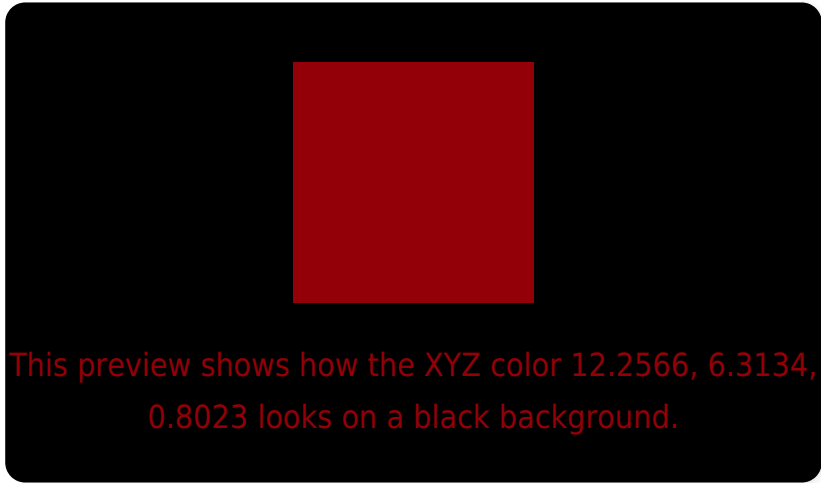
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.2566, 6.3134, 0.8023

Background



This preview shows how black text looks on a background with the XYZ color 12.2566, 6.3134, 0.8023.



This preview shows how white text looks on a background with the XYZ color 12.2566, 6.3134,

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

12.2566, 6.3134, 0.8023

Protanopia

6.3171, 6.9749, 1.7724

Deuteranopia

6.8693, 6.8862, 0.9671



Tritanopia

12.1897, 6.5171, 0.6155

Trichromacy



Original Color

12.2566, 6.3134, 0.8023

Protanomaly

7.2215, 5.2802, 1.1689

Deuteranomaly

7.8943, 5.4608, 0.7241

Tritanomaly

12.1467, 6.4050, 0.6822

Monochromacy



Original Color

12.2566, 6.3134, 0.8023

Achromatopsia

2.4942, 2.6241, 2.8577

Achromatomaly

4.1798, 2.7769, 1.6822

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2566, 6.3134, 0.8023 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, 8)` looks like.

```
.text, #text, p{  
    color:rgb(148, 0, 8)  
}
```

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, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 0, 8) }
```

Border

The CSS property to change the border of an element to XYZ 12.2566, 6.3134, 0.8023 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, 8) }
```


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

```
.border{ border-color:rgb(148, 0, 8) }
```

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, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 0, 8); -webkit-box-shadow:4px  
4px 4px 4px rgb(148, 0, 8); box-shadow:4px  
4px 4px 4px rgb(148, 0, 8) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2566, 6.3134, 0.8023 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, 8) }
```

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

```
.background{ background-color: rgb(148, 0,  
8) }
```

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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