

Converting Colors

XYZ(12.7097, 6.6248, 0.6088)

Have a look what the booklet for
XYZ(12.7097, 6.6248, 0.6088)
contains.

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Color

**XYZ(12.6319, 6.5926,
0.6067)**

Conversions

Conversions Part 1

Format	Color
Hex	960500
RGB	150, 5, 0
RGB Percent	59%, 2%, 0%
CMY	0.4118, 0.9803, 1.0000
CMYK	0.00, 0.97, 1.00, 0.41
HSL	2°, 100%, 29%
HSV	2°, 100%, 59%
XYZ	12.6319, 6.5926, 0.6067
YIQ	47.7850, 88.0250, 29.1850

Conversions

Conversions Part 2

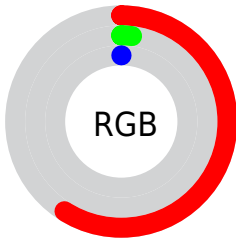
Format	Color
R_{YB}	150, 5, 0
Decimal	9831680
CIE Lab	30.86, 53.17, 44.53
CIE LCh	31, 69.357, 39.944
Yxy	6.5926, 0.6370, 0.3324
Android (android.graphics.Color)	4288021760 (0xFF960500)
YUV	47.7850, -23.5580, 89.6426
Hunter-Lab	25.6761, 42.8839, 16.5723

Details

The XYZ color **12.6319, 6.5926, 0.6067** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **15.6263, 22.4448, 32.3624**, and the grayscale version is **2.8055, 2.9516, 3.2143**.

A 20% lighter version of the original color is **30.1132, 19.0998, 4.7888**, and **4.1198, 2.1238, 0.1928** is the 20% darker color. If you saturate the color by 10%, you get **12.6320, 6.5930, 0.6068**, and if you desaturate by 10%, it is **12.9055, 7.0021, 1.1233**.

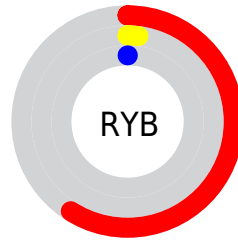
Distribution



Red (59%)

Green (2%)

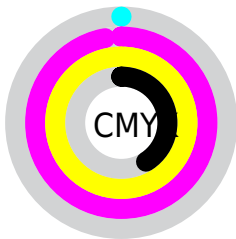
Blue (0%)



Red (59%)

Yellow (2%)

Blue (0%)

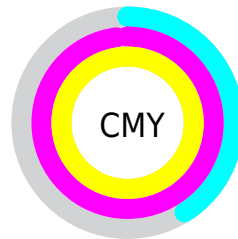


Cyan (0%)

Magenta (97%)

Yellow (100%)

Black (41%)



Cyan (41%)


Magenta (98%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6319, 6.5926, 0.6067 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 12.6319, 6.5926, 0.6067 by changing the saturation by 10% instead.


 12.6319, 6.5926,
0.6067


 12.6319, 6.5926,
0.6067


 202.2305,
164.2343, 95.4870


 7.2508, 3.2086,
0.0000


 30.2478, 19.1488,
4.8194


 3.6672, 1.2416,
0.0000

 43.2134, 29.0899,
9.2714


 1.5156, 0.0953,
0.0000

 59.4379, 41.9854,
15.8593

 0.3364, 0.0000,
0.0000


 79.2865, 58.2198,
25.0017


 0.0000, 0.0000,
0.0000


 103.1248, 78.1775,
37.1172


 131.3179,


102.2429, 52.6242

 164.2314,
130.8004, 71.9413

 12.6319, 6.5926,
0.6067


 12.6319, 6.5926,
0.6067


 12.6320, 6.5930,
0.6068

 12.9055, 7.0021,
1.1233

 13.3844, 7.7229,
2.0135

 14.1294, 8.8299,
3.4422

 15.1714, 10.3668,
5.4763

 16.5373, 12.3716,
8.1729

■ 18.2509, 14.8780,
11.5826

■ 20.3337, 17.9167,
15.7510

■ 22.8055, 21.5158,
20.7200

■ 25.6847, 25.7014,
26.5285

Harmonies

Analogous

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



15.0167, 6.5926, 4.4357



12.6319, 6.5926, 0.6067



8.7505, 6.5926, 0.0000

Triad

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



12.6319, 6.5926, 0.6067



1.9481, 6.5926, 2.5218



7.4482, 6.5926, 45.1221

Complementary

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



12.6319, 6.5926, 0.6067



15.6263, 22.4448, 32.3624

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.



4.3029, 6.5926, 42.3105



12.6319, 6.5926, 0.6067



1.8161, 6.5926, 10.8673

Square

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



12.6319, 6.5926, 0.6067



2.9683, 6.5926, 0.0024



2.5058, 6.5926, 26.7907



11.3912, 6.5926, 32.7250

Rectangle

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



12.6319, 6.5926, 0.6067



6.2723, 6.5926, 0.0000



2.5058, 6.5926, 26.7907



6.2598, 6.5926, 46.0747

Sweetspot

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



12.6320, 6.5930, 0.6068



35.6489, 31.2754, 27.3239



17.6883, 8.5282, 27.5015



7.5768, 6.4594, 5.4072



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.



12.6320, 6.5930, 0.6068



22.2673, 11.5838, 1.0623



15.4461, 12.2212, 1.5448



5.8155, 5.8447, 6.0621



10.4817, 5.4779, 0.5049



0.1314, 0.0732, 0.0072

Inverse Universe

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



15.6263, 22.4448, 32.3624



27.5508, 39.5573, 57.1045



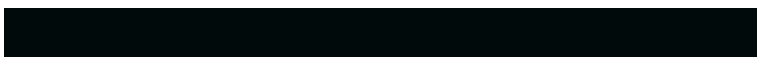
7.6951, 6.5822, 29.7187



5.9476, 6.5293, 7.4165



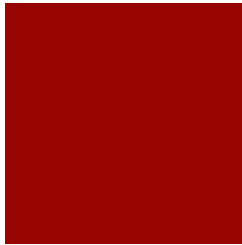
12.9652, 18.6251, 26.8427



0.1629, 0.2364, 0.3299

Previews

White Background



This preview shows how the XYZ color 12.6319, 6.5926, 0.6067 looks on a white background.

Color Contrast Check

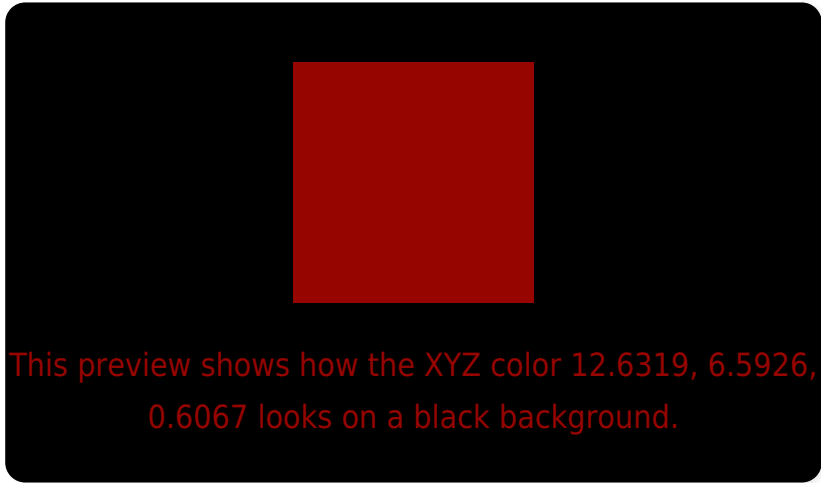
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.6319, 6.5926, 0.6067

Background



This preview shows how black text looks on a background with the XYZ color 12.6319, 6.5926, 0.6067.



This preview shows how white text looks on a background with the XYZ color 12.6319, 6.5926,

0.6067.

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

12.6319, 6.5926, 0.6067

Protanopia

6.4483, 7.1472, 1.6558

Deuteranopia

7.0367, 7.0676, 0.9933



Tritanopia

12.5515, 6.7036, 0.6324

Trichromacy



Original Color

12.6319, 6.5926, 0.6067

Protanomaly

7.5136, 5.5590, 1.0248

Deuteranomaly

8.1272, 5.7587, 0.6832

Tritanomaly

12.5141, 6.6289, 0.6199

Monochromacy



Original Color

12.6319, 6.5926, 0.6067

Achromatopsia

2.8094, 2.9557, 3.2187

Achromatomaly

4.5101, 3.0632, 1.6499

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6319, 6.5926, 0.6067 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, 5, 0)` looks like.

```
.text, #text, p{  
    color:rgb(150, 5, 0)  
}
```

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, 5, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 5, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.6319, 6.5926, 0.6067 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, 5, 0) }
```


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

```
.border{ border-color:rgb(150, 5, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 5, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 5, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(150, 5, 0); box-shadow:4px  
4px 4px 4px rgb(150, 5, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6319, 6.5926, 0.6067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 5, 0) }
```

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

```
.background{ background-color: rgb(150, 5,  
0) }
```

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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