

Converting Colors

XYZ(12.1424, 6.3101, 2.6758)

Have a look what the booklet for
XYZ(12.1424, 6.3101, 2.6758)
contains.

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Color

**XYZ(12.1424, 6.3101,
2.6758)**

Conversions

Conversions Part 1

Format	Color
Hex	910629
RGB	145, 6, 41
RGB Percent	57%, 2%, 16%
CMY	0.4314, 0.9764, 0.8392
CMYK	0.00, 0.96, 0.72, 0.43
HSL	345°, 92%, 30%
HSV	345°, 96%, 57%
XYZ	12.1424, 6.3101, 2.6758
YIQ	51.5510, 71.6090, 40.3530

Conversions

Conversions Part 2

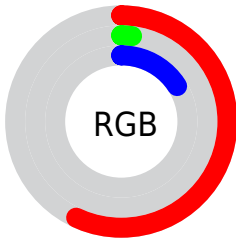
Format	Color
R_{YB}	145, 6, 41
Decimal	9504297
CIE _{Lab}	30.18, 52.76, 21.48
CIE _{LCh}	30, 56.965, 22.149
Yxy	6.3101, 0.5747, 0.2987
Android (android.graphics.Color)	4287694377 (0xFF910629)
YUV	51.5510, -5.2016, 81.9548
Hunter-Lab	25.1199, 42.3230, 11.2683

Details

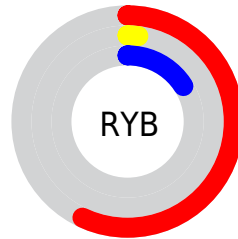
The XYZ color **12.1424, 6.3101, 2.6758** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **13.0163, 21.4157, 18.2053**, and the grayscale version is **3.2123, 3.3796, 3.6804**.

A 20% lighter version of the original color is **29.3053, 18.5486, 10.8398**, and **3.9305, 2.0262, 0.1839** is the 20% darker color. If you saturate the color by 10%, you get **12.0030, 6.1501, 2.2634**, and if you desaturate by 10%, it is **12.5529, 6.7852, 3.8793**.

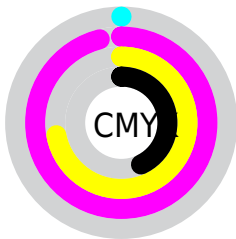
Distribution



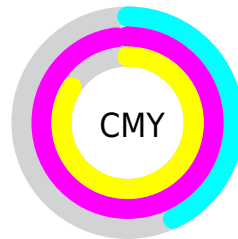
- Red (57%)
- Green (2%)
- Blue (16%)



- Red (57%)
- Yellow (2%)
- Blue (16%)



- Cyan (0%)
- Magenta (96%)
- Yellow (72%)
- Black (43%)




- Cyan (43%)
- Magenta (98%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.1424, 6.3101, 2.6758 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 12.1424, 6.3101, 2.6758 by changing the saturation by 10% instead.


 12.1424, 6.3101,
2.6758


 12.1424, 6.3101,
2.6758


199.0965,
161.8015, 132.1179


 6.9136, 3.0345,
0.9312


 29.3688, 18.5712,
10.8174


 3.4540, 1.1498,
0.0000

 42.0971, 28.3255,
18.0519


 1.3981, 0.0201,
0.0000

 58.0560, 41.0083,
27.9535

 0.2549, 0.0000,
0.0000

 77.6109, 57.0038,
40.9408

 0.0000, 0.0000,
0.0000

 101.1270, 76.6964,
57.4324

 128.9697,

100.4707, 77.8467

161.5044,
128.7109, 102.6024

12.1424, 6.3101,
2.6758

12.1424, 6.3101,
2.6758

12.0030, 6.1501,
2.2634

12.5529, 6.7852,
3.8793

13.1675, 7.5785,
5.4277

14.0182, 8.7485,
7.3494

15.1276, 10.3353,
9.6679

16.5156, 12.3736,
12.4047

■ 18.2000, 14.8948,
15.5795

■ 20.1973, 17.9273,
19.2111

■ 22.5224, 21.4972,
23.3169

■ 25.1896, 25.6290,
27.9133

Harmonies

Analogous

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



12.6810, 6.3101, 9.0883



12.1424, 6.3101, 2.6758



9.7444, 6.3101, 0.4934

Triad

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



12.1424, 6.3101, 2.6758



2.7814, 6.3101, 1.2131



5.3213, 6.3101, 34.2779

Complementary

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



12.1424, 6.3101, 2.6758



13.0163, 21.4157, 18.2053

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.



3.3604, 6.3101, 26.3308



12.1424, 6.3101, 2.6758



2.2062, 6.3101, 5.0467

Square

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



12.1424, 6.3101, 2.6758



4.2582, 6.3101, 0.0000



2.3809, 6.3101, 14.0646



8.1558, 6.3101, 31.5786

Rectangle

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



12.1424, 6.3101, 2.6758



7.7185, 6.3101, 0.0000



2.3809, 6.3101, 14.0646



4.5536, 6.3101, 32.6356

Sweetspot

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



12.1425, 6.3105, 2.6759



34.7594, 29.9545, 31.8631



11.3530, 5.3593, 27.2239



7.4325, 6.2084, 6.5414



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



12.1425, 6.3105, 2.6759



21.4350, 10.9897, 3.7332



12.4175, 7.4480, 0.9560



5.4611, 5.4450, 5.9262



10.3048, 5.2789, 1.9903



0.1063, 0.0536, 0.0600

Inverse Universe

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



12.1425, 6.3105, 2.6759



21.4350, 10.9897, 3.7332



11.0436, 13.7980, 28.8690



5.4611, 5.4450, 5.9262



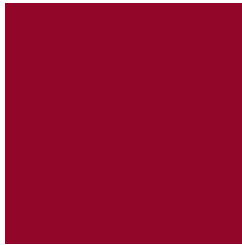
10.3048, 5.2789, 1.9903



0.1063, 0.0536, 0.0600

Previews

White Background



This preview shows how the XYZ color 12.1424, 6.3101, 2.6758 looks on a white background.

Color Contrast Check

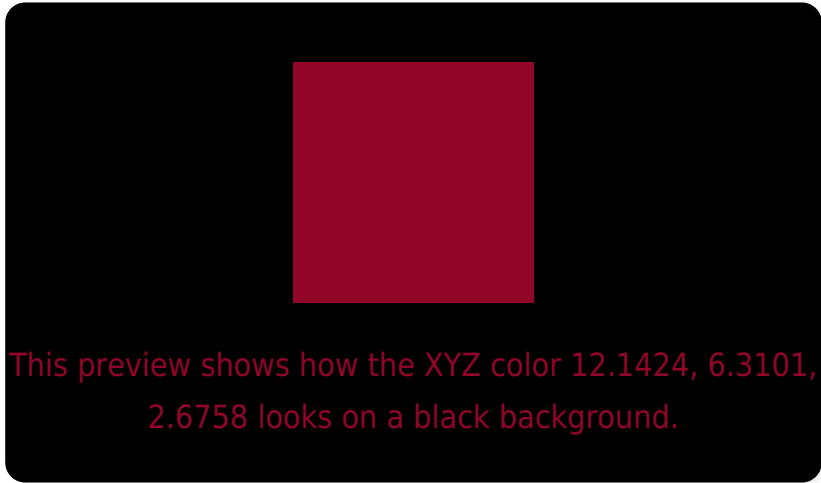
Large Text (above 18pt) WCAG AA ✓ Pass

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

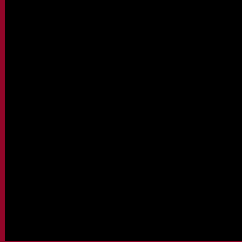
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.1424, 6.3101, 2.6758

Background



This preview shows how black text looks on a background with the XYZ color 12.1424, 6.3101, 2.6758.



This preview shows how white text looks on a background with the XYZ color 12.1424, 6.3101,

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

12.1424, 6.3101, 2.6758

Protanopia

6.4330, 6.8542, 5.3988

Deuteranopia

6.7933, 6.7200, 2.4524



Tritanopia

11.7813, 6.3619, 1.0225

Trichromacy



Original Color

12.1424, 6.3101, 2.6758

Protanomaly

7.2437, 5.2877, 4.1289

Deuteranomaly

7.9060, 5.5461, 2.4041

Tritanomaly

11.8104, 6.2831, 1.4544

Monochromacy



Original Color

12.1424, 6.3101, 2.6758

Achromatopsia

3.2640, 3.4340, 3.7396

Achromatomaly

4.9723, 3.3939, 3.1893

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1424, 6.3101, 2.6758 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(145, 6, 41)` looks like.

```
.text, #text, p{  
    color:rgb(145, 6, 41)  
}
```

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(145, 6, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 6, 41) }
```

Border

The CSS property to change the border of an element to XYZ 12.1424, 6.3101, 2.6758 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(145, 6, 41) }
```


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

```
.border{ border-color:rgb(145, 6, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 6, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 6, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 6, 41);  
box-shadow:4px 4px 4px 4px rgb(145, 6, 41)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.1424, 6.3101, 2.6758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 6, 41) }
```

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

```
.background{ background-color: rgb(145, 6,  
41) }
```

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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