

Converting Colors

XYZ(12.0110, 6.2836, 5.4692)

Have a look what the booklet for
XYZ(12.0110, 6.2836, 5.4692)
contains.

XYZ(12.0414, 6.2958, 5.4311)	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(12.0414, 6.2958,
5.4311)**

Conversions

Conversions Part 1

Format	Color
Hex	8D0C40
RGB	141, 12, 64
RGB Percent	55%, 5%, 25%
CMY	0.4471, 0.9529, 0.7490
CMYK	0.00, 0.91, 0.55, 0.45
HSL	336°, 84%, 30%
HSV	336°, 91%, 55%
XYZ	12.0414, 6.2958, 5.4311
YIQ	56.4990, 60.1920, 43.5200

Conversions

Conversions Part 2

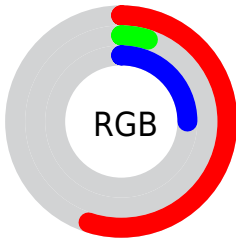
Format	Color
R_{YB}	141, 12, 64
Decimal	9243712
CIE _{Lab}	30.15, 52.21, 5.94
CIE _{LCh}	30, 52.549, 6.492
Yxy	6.2958, 0.5066, 0.2649
Android (android.graphics.Color)	4287433792 (0xFF8D0C40)
YUV	56.4990, 3.6980, 74.1074
Hunter-Lab	25.0914, 41.7523, 4.7305

Details

The XYZ color **12.0414, 6.2958, 5.4311** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **11.4804, 19.8495, 12.6805**, and the grayscale version is **3.8143, 4.0130, 4.3701**.

A 20% lighter version of the original color is **29.2731, 18.5959, 17.0854**, and **3.8010, 1.9427, 0.9337** is the 20% darker color. If you saturate the color by 10%, you get **11.7187, 5.9564, 4.3805**, and if you desaturate by 10%, it is **12.5398, 6.8799, 6.8696**.

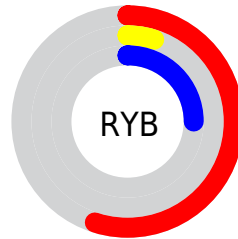
Distribution



Red (55%)

Green (5%)

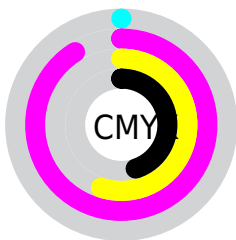
Blue (25%)



Red (55%)

Yellow (5%)

Blue (25%)

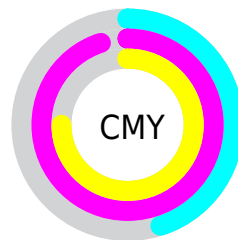


Cyan (0%)

Magenta (91%)

Yellow (55%)

Black (45%)



Cyan (45%)


Magenta (95%)

Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.0414, 6.2958, 5.4311 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 12.0414, 6.2958, 5.4311 by changing the saturation by 10% instead.


 12.0414, 6.2958,
5.4311


 12.0414, 6.2958,
5.4311


198.4435,
161.6771, 163.0064


 6.8443, 3.0258,
2.4392


 29.1867, 18.5418,
17.1950


 3.4104, 1.1452,
0.8077

 41.8656, 28.2866,
26.8040


 1.3743, 0.0163,
0.0000

 57.7691, 40.9585,
39.4559

 0.2378, 0.0000,
0.0000

 77.2626, 56.9417,
55.5691

 0.0000, 0.0000,
0.0000

 100.7114, 76.6208,
75.5623

 128.4809,

100.3801, 99.8538

160.9365,
128.6041, 128.8624

12.0414, 6.2958,
5.4311

12.0414, 6.2958,
5.4311

11.7187, 5.9564,
4.3805

12.5398, 6.8799,
6.8696

13.2295, 7.7864,
8.5578

14.1321, 9.0559,
10.5099

15.2658, 10.7229,
12.7387

16.6467, 12.8176,
15.2559

■ 18.2896, 15.3674,
18.0725

■ 20.2080, 18.3974,
21.1988

■ 22.4143, 21.9308,
24.6447

■ 24.9203, 25.9894,
28.4193

Harmonies

Analogous

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



11.4717, 6.2958, 13.8254



12.0414, 6.2958, 5.4311



10.6639, 6.2958, 1.5347

Triad

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



12.0414, 6.2958, 5.4311



3.5834, 6.2958, 0.6803



4.2846, 6.2958, 28.3771

Complementary

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



12.0414, 6.2958, 5.4311



11.4804, 19.8495, 12.6805

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.



2.9236, 6.2958, 18.5212



12.0414, 6.2958, 5.4311



2.6034, 6.2958, 2.7392

Square

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



12.0414, 6.2958, 5.4311



5.4636, 6.2958, 0.0000



2.4004, 6.2958, 8.5084



6.5364, 6.2958, 31.1441

Rectangle

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



12.0414, 6.2958, 5.4311



9.0026, 6.2958, 0.5706



2.4004, 6.2958, 8.5084



3.7291, 6.2958, 25.5623

Sweetspot

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



12.0416, 6.2962, 5.4312



34.0338, 29.5323, 34.4816



8.8938, 4.2250, 25.5460



7.3844, 6.2545, 7.3433



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



12.0416, 6.2962, 5.4312



20.9074, 10.6354, 7.4291



11.3526, 6.2927, 0.9646



5.4933, 5.4579, 6.0958



10.6928, 5.4341, 4.0336



0.1127, 0.0561, 0.0934

Inverse Universe

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



12.0416, 6.2962, 5.4312



20.9074, 10.6354, 7.4291



12.9756, 18.0335, 27.9962



5.4933, 5.4579, 6.0958



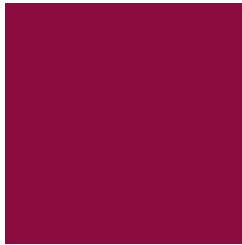
10.6928, 5.4341, 4.0336



0.1127, 0.0561, 0.0934

Previews

White Background



This preview shows how the XYZ color 12.0414, 6.2958, 5.4311 looks on a white background.

Color Contrast Check

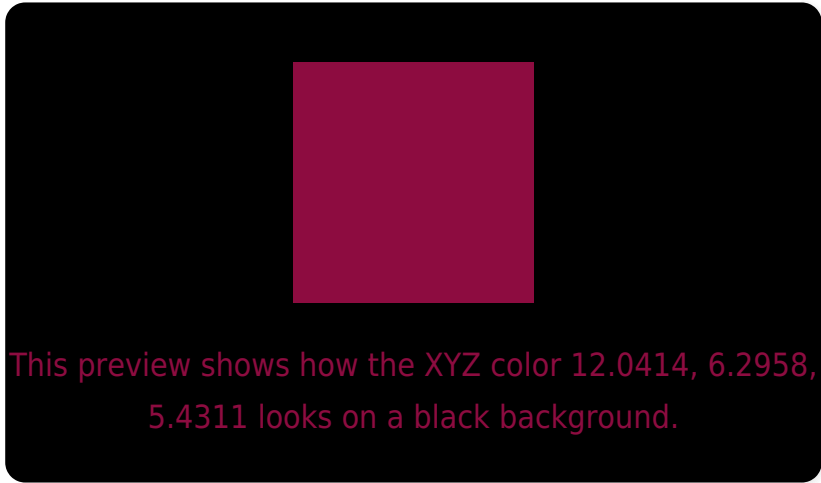
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.0414, 6.2958, 5.4311

Background



This preview shows how black text looks on a background with the XYZ color 12.0414, 6.2958, 5.4311.



This preview shows how white text looks on a background with the XYZ color 12.0414, 6.2958,

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

12.0414, 6.2958, 5.4311

Protanopia

6.7686, 6.8030, 11.0816

Deuteranopia

6.7916, 6.6642, 4.9314



Tritanopia

11.2372, 6.3520, 1.6707

Trichromacy



Original Color

12.0414, 6.2958, 5.4311

Protanomaly

7.4261, 5.4097, 8.6354

Deuteranomaly

7.8578, 5.5870, 4.9392

Tritanomaly

11.4851, 6.3025, 2.6186

Monochromacy



Original Color

12.0414, 6.2958, 5.4311

Achromatopsia

3.8890, 4.0915, 4.4557

Achromatomaly

5.6331, 3.9868, 4.7476

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0414, 6.2958, 5.4311 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(141, 12, 64)` looks like.

```
.text, #text, p{  
    color:rgb(141, 12, 64)  
}
```

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(141, 12, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 12, 64) }
```

Border

The CSS property to change the border of an element to XYZ 12.0414, 6.2958, 5.4311 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(141, 12, 64) }
```


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

```
.border{ border-color:rgb(141, 12, 64) }
```

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

Here you see how a box with a 4 pixel rgb(141, 12, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 12, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 12, 64);  
box-shadow:4px 4px 4px 4px rgb(141, 12,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0414, 6.2958, 5.4311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 12, 64) }
```

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

```
.background{ background-color: rgb(141, 12,  
64) }
```

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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