

Converting Colors

XYZ(12.2041, 9.3795, 1.6234)

Have a look what the booklet for
XYZ(12.2041, 9.3795, 1.6234)
contains.

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Color

**XYZ(12.1450, 9.3196,
1.6107)**

Conversions

Conversions Part 1

Format	Color
Hex	87440F
RGB	135, 68, 15
RGB Percent	53%, 27%, 6%
CMY	0.4706, 0.7333, 0.9412
CMYK	0.00, 0.50, 0.89, 0.47
HSL	27°, 80%, 29%
HSV	27°, 89%, 53%
XYZ	12.1450, 9.3196, 1.6107
YIQ	81.9910, 56.9450, -2.2790

Conversions

Conversions Part 2

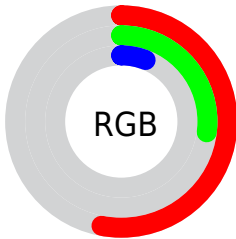
Format	Color
R_{YB}	135, 110, 15
Decimal	8864783
CIE _{Lab}	36.59, 25.15, 41.58
CIE _{LCh}	37, 48.593, 58.835
Yxy	9.3196, 0.5263, 0.4039
Android (android.graphics.Color)	4287054863 (0xFF87440F)
YUV	81.9910, -33.0266, 46.4889
Hunter-Lab	30.5280, 17.5888, 18.2414

Details

The XYZ color **12.1450, 9.3196, 1.6107** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **7.5873, 7.8851, 24.0435**, and the grayscale version is **8.0747, 8.4952, 9.2513**.

A 20% lighter version of the original color is **29.2508, 24.4189, 7.8743**, and **3.5114, 2.2361, 0.2465** is the 20% darker color. If you saturate the color by 10%, you get **11.6403, 8.4350, 1.0578**, and if you desaturate by 10%, it is **12.7602, 10.3430, 2.4543**.

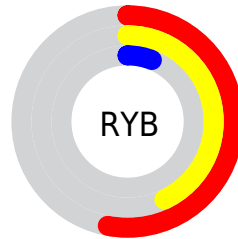
Distribution



Red (53%)

Green (27%)

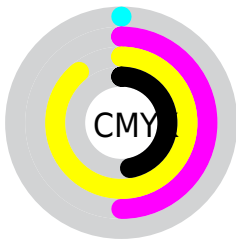
Blue (6%)



Red (53%)

Yellow (43%)

Blue (6%)

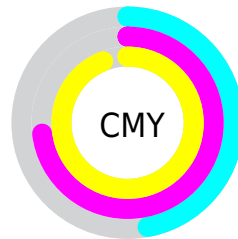


Cyan (0%)

Magenta (50%)

Yellow (89%)

Black (47%)



Cyan (47%)

Magenta (73%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1450, 9.3196, 1.6107 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 12.1450, 9.3196, 1.6107 by changing the saturation by 10% instead.

■ 12.1450, 9.3196,
1.6107

■ 12.1450, 9.3196,
1.6107

■ 199.1132,
185.7445, 116.0046

■ 6.9154, 4.9502,
0.2984

■ 29.3735, 24.5076,
7.9462

■ 3.4551, 2.2181,
0.0000

■ 42.1031, 36.0951,
13.9481

■ 1.3988, 0.7298,
0.0000

■ 58.0634, 50.8573,
22.3974

■ 0.2553, 0.0000,
0.0000


■ 77.6198, 69.1788,
33.7127


■ 0.0000, 0.0000,
0.0000

■ 101.1376, 91.4438,
48.3125


■ 128.9823,


118.0369, 66.6154


 161.5190,
149.3423, 89.0399


 12.1450, 9.3196,
1.6107


 12.1450, 9.3196,
1.6107


 11.6403, 8.4350,
1.0578


 12.7602, 10.3430,
2.4543

 11.5880, 8.3438,
0.9998

 13.5088, 11.5166,
3.7016

 14.4016, 12.8481,
5.3988

 15.4478, 14.3445,
7.5852

 16.6559, 16.0120,
10.2959

■ 18.0335, 17.8564,
13.5630

■ 19.5877, 19.8833,
17.4156

■ 21.3254, 22.0980,
21.8809

■ 23.2527, 24.5055,
26.9845

Harmonies

Analogous

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



14.8438, 9.3196, 4.1378



12.1450, 9.3196, 1.6107



8.9743, 9.3196, 1.0151

Triad

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



12.1450, 9.3196, 1.6107



4.2962, 9.3196, 9.8194



11.8991, 9.3196, 32.1976

Complementary

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



12.1450, 9.3196, 1.6107



7.5873, 7.8851, 24.0435

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.



8.7427, 9.3196, 36.7578



12.1450, 9.3196, 1.6107



4.7463, 9.3196, 20.2243

Square

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



12.1450, 9.3196, 1.6107



4.8231, 9.3196, 3.8298



6.2250, 9.3196, 31.4868



14.6810, 9.3196, 21.1478

Rectangle

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



12.1450, 9.3196, 1.6107



7.1433, 9.3196, 1.2144



6.2250, 9.3196, 31.4868



10.8273, 9.3196, 34.7433

Sweetspot

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



12.1452, 9.3201, 1.6109



32.6338, 32.4247, 25.1141



11.7238, 6.1171, 8.7466



7.3805, 7.2751, 5.3865



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



12.1452, 9.3201, 1.6109



20.5974, 14.6328, 1.7388



17.6672, 20.3640, 3.4515



4.8293, 5.0022, 4.9404



10.6987, 7.7199, 0.9262



0.0441, 0.0409, 0.0056

Inverse Universe

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



7.5873, 7.8851, 24.0435



12.2211, 11.9119, 42.7035



4.8766, 2.4637, 23.1400



4.6340, 4.9436, 5.9107



6.3895, 6.3268, 22.0211



0.0294, 0.0365, 0.0787

Previews

White Background



This preview shows how the XYZ color 12.1450, 9.3196, 1.6107 looks on a white background.

Color Contrast Check

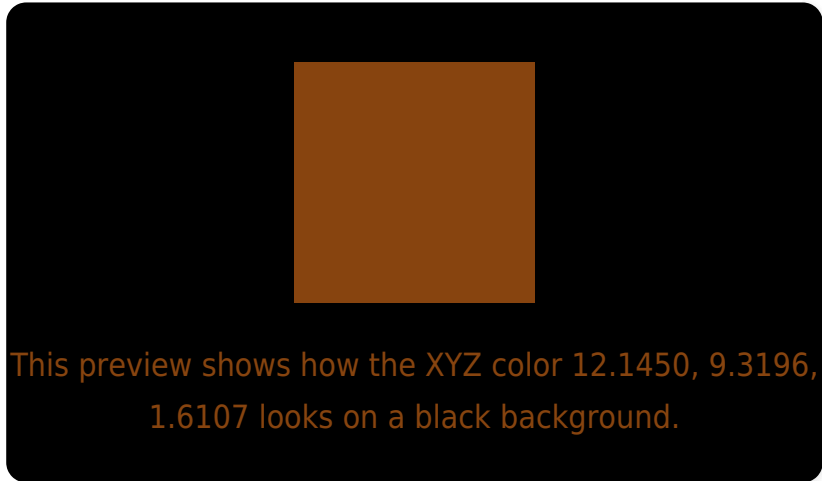
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.1450, 9.3196, 1.6107

Background



This preview shows how black text looks on a background with the XYZ color 12.1450, 9.3196, 1.6107.



This preview shows how white text looks on a background with the XYZ color 12.1450, 9.3196,

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

12.1450, 9.3196, 1.6107

Protanopia

8.5715, 9.4636, 2.0367

Deuteranopia

9.4477, 9.3496, 1.3067



Tritanopia

13.1374, 9.2907, 6.5697

Trichromacy



Original Color

12.1450, 9.3196, 1.6107

Protanomaly

9.5334, 9.1605, 1.8380

Deuteranomaly

10.2890, 9.2407, 1.3849

Tritanomaly

12.5980, 9.2366, 4.0246

Monochromacy



Original Color

12.1450, 9.3196, 1.6107

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

8.7844, 8.3799, 5.1575

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1450, 9.3196, 1.6107 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(135, 68, 15)` looks like.

```
.text, #text, p{  
    color:rgb(135, 68, 15)  
}
```

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(135, 68, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 68, 15) }
```

Border

The CSS property to change the border of an element to XYZ 12.1450, 9.3196, 1.6107 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(135, 68, 15) }
```


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

```
.border{ border-color:rgb(135, 68, 15) }
```

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

Here you see how a box with a 4 pixel rgb(135, 68, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 68, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 68, 15);  
box-shadow:4px 4px 4px 4px rgb(135, 68,  
15) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1450, 9.3196, 1.6107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 68, 15) }
```

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

```
.background{ background-color: rgb(135, 68,  
15) }
```

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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