

Converting Colors

XYZ(12.6730, 9.0027, 1.1904)

Have a look what the booklet for
XYZ(12.6730, 9.0027, 1.1904)
contains.

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Color

**XYZ(12.6752, 9.0090,
1.1857)**

Conversions

Conversions Part 1

Format	Color
Hex	8D3D04
RGB	141, 61, 4
RGB Percent	55%, 24%, 2%
CMY	0.4471, 0.7608, 0.9843
CMYK	0.00, 0.57, 0.97, 0.45
HSL	25°, 94%, 28%
HSV	25°, 97%, 55%
XYZ	12.6752, 9.0090, 1.1857
YIQ	78.4220, 65.9770, -0.7670

Conversions

Conversions Part 2

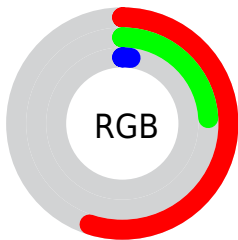
Format	Color
RYB	141, 102, 4
Decimal	9256196
CIELab	36.00, 31.31, 45.33
CIElCh	36, 55.088, 55.368
Yxy	9.0090, 0.5542, 0.3939
Android (android.graphics.Color)	4287446276 (0xFF8D3D04)
YUV	78.4220, -36.6900, 54.8809
Hunter-Lab	30.0150, 22.8535, 18.6683

Details

The XYZ color **12.6752, 9.0090, 1.1857** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **8.0278, 8.2889, 26.3760**, and the grayscale version is **7.3807, 7.7650, 8.4561**.

A 20% lighter version of the original color is **30.4614, 24.0622, 6.6534**, and **3.6988, 2.1019, 0.2108** is the 20% darker color. If you saturate the color by 10%, you get **12.5314, 8.7567, 1.0297**, and if you desaturate by 10%, it is **13.2373, 9.9923, 1.8077**.

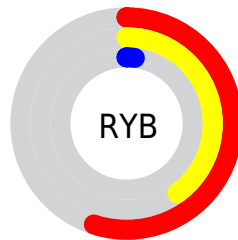
Distribution



Red (55%)

Green (24%)

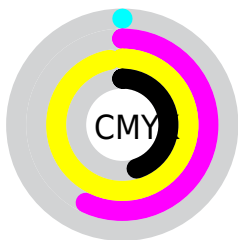
Blue (2%)



Red (55%)

Yellow (40%)

Blue (2%)

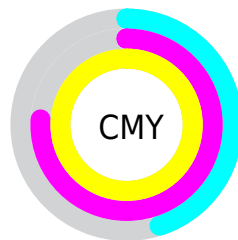


Cyan (0%)

Magenta (57%)

Yellow (97%)

Black (45%)



Cyan (45%)


Magenta (76%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 12.6752, 9.0090, 1.1857 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 12.6752, 9.0090, 1.1857 by changing the saturation by 10% instead.


 12.6752, 9.0090,
1.1857


 12.6752, 9.0090,
1.1857


 202.5054,
183.4450, 108.0730


 7.2807, 4.7471,
0.0000


 30.3253, 23.9140,
6.6629


 3.6862, 2.0996,
0.0000

 43.3117, 35.3259,
12.0621


 1.5262, 0.6644,
0.0000

 59.5594, 49.8899,
19.7931

 0.3435, 0.0000,
0.0000

 79.4338, 67.9903,
30.2743


 0.0000, 0.0000,
0.0000


 103.3002, 90.0117,
43.9243


 131.5241,

116.3383, 61.1618


 164.4707,
147.3546, 82.4052


 12.6752, 9.0090,
1.1857


 12.6752, 9.0090,
1.1857


 12.5314, 8.7567,
1.0297

 13.2373, 9.9923,
1.8077

 13.9349, 11.1420,
2.7971

 14.7878, 12.4708,
4.2437

 15.8079, 13.9875,
6.1975

 17.0056, 15.7002,
8.7016

■ 18.3905, 17.6165,
11.7947

■ 19.9714, 19.7434,
15.5117

■ 21.7563, 22.0876,
19.8851

■ 23.7529, 24.6554,
24.9447

Harmonies

Analogous

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



15.6281, 9.0090, 3.9230



12.6752, 9.0090, 1.1857



9.0828, 9.0090, 0.5008

Triad

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



12.6752, 9.0090, 1.1857



3.6856, 9.0090, 8.4204



11.5625, 9.0090, 36.8959

Complementary

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



12.6752, 9.0090, 1.1857



8.0278, 8.2889, 26.3760

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.



8.0630, 9.0090, 41.1216



12.6752, 9.0090, 1.1857



4.0312, 9.0090, 19.7739

Square

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



12.6752, 9.0090, 1.1857



4.3477, 9.0090, 2.7041



5.4526, 9.0090, 33.4759



14.8789, 9.0090, 24.0906

Rectangle

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



12.6752, 9.0090, 1.1857



6.9962, 9.0090, 0.6260



5.4526, 9.0090, 33.4759



10.3473, 9.0090, 39.6131

Sweetspot

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



12.6754, 9.0095, 1.1858



35.0359, 34.3848, 26.0349



12.7157, 6.4247, 9.4164



7.5857, 7.3580, 5.2498



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.



12.6754, 9.0095, 1.1858



22.2832, 15.3644, 1.7912



18.6345, 20.9278, 3.1722



5.5817, 5.7697, 5.7088



11.4414, 8.0145, 0.9439



0.1303, 0.1185, 0.0160

Inverse Universe

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



8.0278, 8.2889, 26.3760



13.8890, 14.0023, 47.0986



5.0693, 2.3719, 25.3898



5.3747, 5.7452, 6.8544



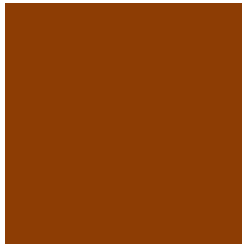
7.1736, 7.3333, 24.0144



0.0904, 0.1137, 0.2369

Previews

White Background



This preview shows how the XYZ color 12.6752, 9.0090, 1.1857 looks on a white background.

Color Contrast Check

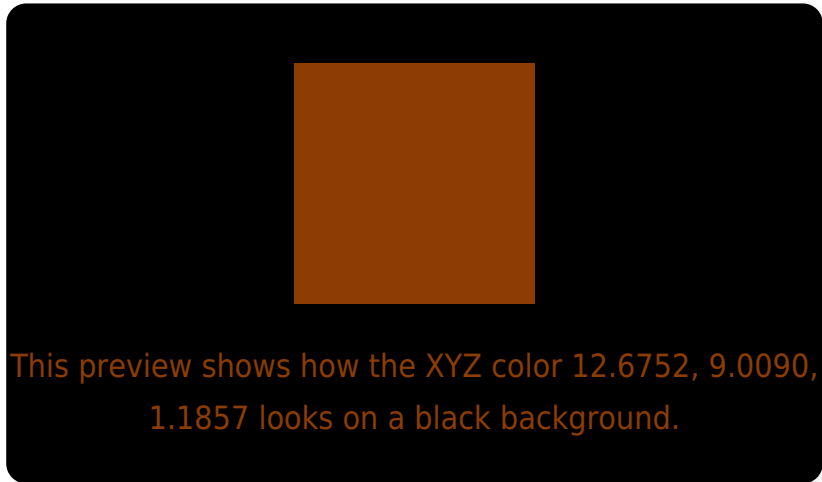
Large Text (above 18pt) WCAG AA ✓ Pass

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

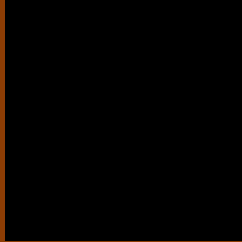
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.6752, 9.0090, 1.1857

Background



This preview shows how black text looks on a background with the XYZ color 12.6752, 9.0090, 1.1857.



This preview shows how white text looks on a background with the XYZ color 12.6752, 9.0090,

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

12.6752, 9.0090, 1.1857

Protanopia

8.2309, 9.1741, 1.7524

Deuteranopia

9.1268, 9.0730, 1.2702



Tritanopia

13.6064, 9.0921, 5.3128

Trichromacy



Original Color

12.6752, 9.0090, 1.1857

Protanomaly

9.3908, 8.7744, 1.4858

Deuteranomaly

10.2000, 8.8928, 1.2076

Tritanomaly

13.0514, 8.9301, 3.0433

Monochromacy



Original Color

12.6752, 9.0090, 1.1857

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

8.2817, 7.6404, 4.1702

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6752, 9.0090, 1.1857 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, 61, 4)` looks like.

```
.text, #text, p{  
    color:rgb(141, 61, 4)  
}
```

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, 61, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 61, 4) }
```

Border

The CSS property to change the border of an element to XYZ 12.6752, 9.0090, 1.1857 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, 61, 4) }
```


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

```
.border{ border-color:rgb(141, 61, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 61, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 61, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 61, 4);  
box-shadow:4px 4px 4px 4px rgb(141, 61, 4)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.6752, 9.0090, 1.1857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 61, 4) }
```

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

```
.background{ background-color: rgb(141, 61,  
4) }
```

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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