

Converting Colors

XYZ(12.5501, 9.2938, 0.4493)

Have a look what the booklet for
XYZ(12.5501, 9.2938, 0.4493)
contains.

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Color

**XYZ(12.7055, 9.3560,
1.1362)**

Conversions

Conversions Part 1

Format	Color
Hex	8C4100
RGB	140, 65, 0
RGB Percent	55%, 25%, 0%
CMY	0.4510, 0.7451, 1.0000
CMYK	0.00, 0.54, 1.00, 0.45
HSL	28°, 100%, 27%
HSV	28°, 100%, 55%
XYZ	12.7055, 9.3560, 1.1362
YIQ	80.0150, 65.5650, -4.3150

Conversions

Conversions Part 2

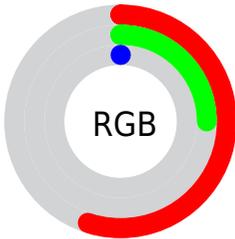
Format	Color
RYB	140, 121, 0
Decimal	9191680
CIELab	36.66, 28.67, 47.09
CIELCh	37, 55.130, 58.667
Yxy	9.3560, 0.5477, 0.4033
Android (android.graphics.Color)	4287381760 (0xFF8C4100)
YUV	80.0150, -39.4474, 52.6068
Hunter-Lab	30.5876, 20.6172, 19.2089

Details

The XYZ color **12.7055, 9.3560, 1.1362** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **7.2494, 6.9251, 25.7654**, and the grayscale version is **7.6937, 8.0944, 8.8148**.

A 20% lighter version of the original color is **30.2131, 24.4338, 6.4919**, and **3.7836, 2.2716, 0.2390** is the 20% darker color. If you saturate the color by 10%, you get **12.7057, 9.3564, 1.1363**, and if you desaturate by 10%, it is **13.2445, 10.3073, 1.7069**.

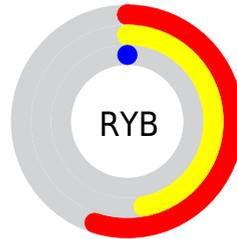
Distribution



Red (55%)

Green (25%)

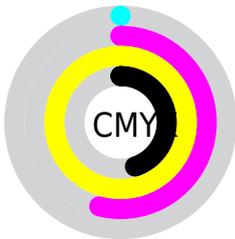
Blue (0%)



Red (55%)

Yellow (47%)

Blue (0%)

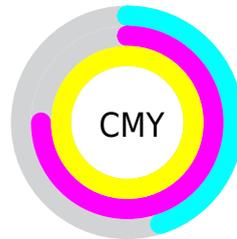


Cyan (0%)

Magenta (54%)

Yellow (100%)

Black (45%)



Cyan (45%)

Magenta (75%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7055, 9.3560, 1.1362 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 12.7055, 9.3560, 1.1362 by changing the saturation by 10% instead.

 12.7055, 9.3560,
1.1362

 12.7055, 9.3560,
1.1362

 202.6975,
186.0119, 107.0593

 7.3017, 4.9741,
0.0000

 30.3795, 24.5769,
6.5055

 3.6995, 2.2321,
0.0000

 43.3804, 36.1848,
11.8279

 1.5336, 0.7374,
0.0000

 59.6444, 50.9701,
19.4669

 0.3485, 0.0000,
0.0000

 79.5367, 69.3172,
29.8410

 0.0000, 0.0000,
0.0000

 103.4229, 91.6105,
43.3688

 131.6682,

118.2345, 60.4687

 164.6379,
149.5735, 81.5594

 12.7055, 9.3560,
1.1362

 12.7055, 9.3560,
1.1362

 12.7057, 9.3564,
1.1363

 13.2445, 10.3073,
1.7069

 13.8937, 11.3971,
2.5663

 14.6822, 12.6407,
3.8567

 15.6214, 14.0459,
5.6293

 16.7216, 15.6194,
7.9280

■ 17.9915, 17.3678,
10.7918

■ 19.4397, 19.2970,
14.2556

■ 21.0736, 21.4128,
18.3519

■ 22.9004, 23.7204,
23.1105

Harmonies

Analogous

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



15.8755, 9.3560, 3.6264



12.7055, 9.3560, 1.1362



9.0442, 9.3560, 0.5658

Triad

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



12.7055, 9.3560, 1.1362



3.8604, 9.3560, 9.7614



12.3771, 9.3560, 36.6844

Complementary

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



12.7055, 9.3560, 1.1362



7.2494, 6.9251, 25.7654

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, 9.3560, 42.2790



12.7055, 9.3560, 1.1362



4.3329, 9.3560, 21.9337

Square

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



12.7055, 9.3560, 1.1362



4.4269, 9.3560, 3.2636



5.9308, 9.3560, 35.6793



15.6547, 9.3560, 23.2045

Rectangle

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



12.7055, 9.3560, 1.1362



6.9758, 9.3560, 0.7675



5.9308, 9.3560, 35.6793



11.1318, 9.3560, 39.8203

Sweetspot

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



12.7057, 9.3565, 1.1364



34.1021, 33.7968, 24.7143



12.1547, 6.1113, 7.5602



7.6319, 7.4887, 5.1472



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.



12.7057, 9.3565, 1.1364



22.2431, 16.1804, 1.9508



19.2026, 22.3504, 3.3020



5.2118, 5.4063, 5.3212



11.3091, 8.3525, 1.0161



0.0895, 0.0843, 0.0116

Inverse Universe

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



7.2494, 6.9251, 25.7654



12.6190, 11.8850, 45.3719



4.8096, 2.0454, 24.9521



4.9820, 5.3068, 6.3676



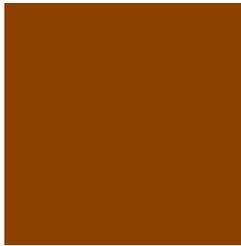
6.4613, 6.1930, 22.9005



0.0576, 0.0705, 0.1570

Previews

White Background



This preview shows how the XYZ color 12.7055, 9.3560, 1.1362 looks on a white background.

Color Contrast Check

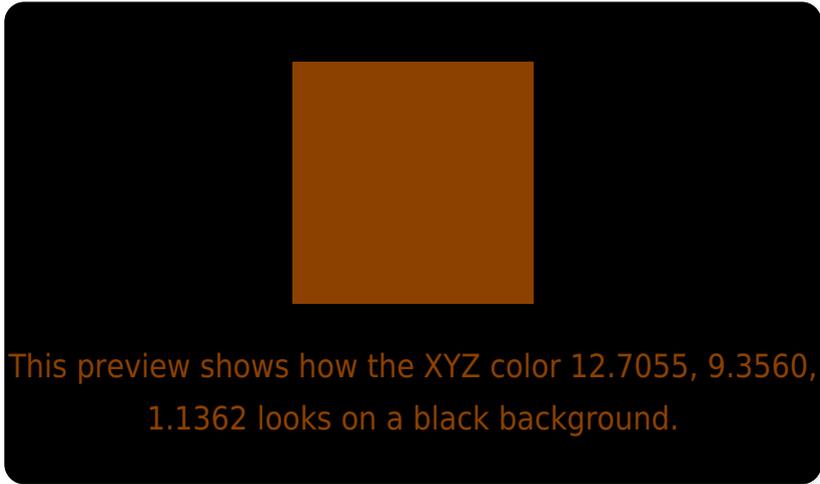
Large Text (above 18pt) WCAG AA ✓ Pass

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

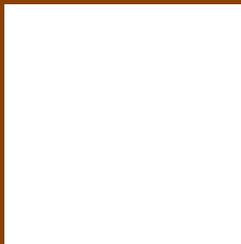
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.7055, 9.3560, 1.1362

Background



This preview shows how black text looks on a background with the XYZ color 12.7055, 9.3560, 1.1362.



This preview shows how white text looks on a background with the XYZ color 12.7055, 9.3560,

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

12.7055, 9.3560, 1.1362

Protanopia

8.5178, 9.4421, 1.7543

Deuteranopia

9.5237, 9.5015, 1.3320



Tritanopia

13.6966, 9.3527, 5.9338

Trichromacy



Original Color

12.7055, 9.3560, 1.1362

Protanomaly

9.6499, 9.1202, 1.4815

Deuteranomaly

10.4696, 9.2338, 1.2305

Tritanomaly

13.1074, 9.2681, 3.1959

Monochromacy



Original Color

12.7055, 9.3560, 1.1362

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

8.5931, 8.0960, 4.2417

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7055, 9.3560, 1.1362 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(140, 65, 0)` looks like.

```
.text, #text, p{  
    color:rgb(140, 65, 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(140, 65, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 65, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.7055, 9.3560, 1.1362 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(140, 65, 0) }
```

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

```
.border{ border-color:rgb(140, 65, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 65, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 65, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 65, 0);  
box-shadow:4px 4px 4px 4px rgb(140, 65, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.7055, 9.3560, 1.1362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 65, 0) }
```

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

```
.background{ background-color: rgb(140, 65,  
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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