

Converting Colors

XYZ(12.5908, 9.4086, 3.2856)

Have a look what the booklet for
XYZ(12.5908, 9.4086, 3.2856)
contains.

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Color

**XYZ(12.5607, 9.4086,
3.2518)**

Conversions

Conversions Part 1

Format	Color
Hex	884329
RGB	136, 67, 41
RGB Percent	53%, 26%, 16%
CMY	0.4667, 0.7372, 0.8392
CMYK	0.00, 0.51, 0.70, 0.47
HSL	16°, 54%, 35%
HSV	16°, 70%, 53%
XYZ	12.5607, 9.4086, 3.2518
YIQ	84.6670, 49.4700, 6.5420

Conversions

Conversions Part 2

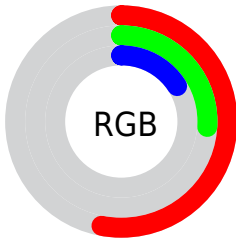
Format	Color
RYB	136, 77, 41
Decimal	8930089
CIELab	36.76, 27.27, 28.91
CIElCh	37, 39.744, 46.676
Yxy	9.4086, 0.4980, 0.3730
Android (android.graphics.Color)	4287120169 (0xFF884329)
YUV	84.6670, -21.5278, 45.0190
Hunter-Lab	30.6734, 19.4168, 15.1859

Details

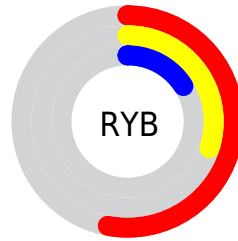
The XYZ color **12.5607, 9.4086, 3.2518** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **10.9338, 13.3999, 25.3026**, and the grayscale version is **8.6016, 9.0495, 9.8549**.

A 20% lighter version of the original color is **29.9580, 24.5164, 12.1700**, and **3.6435, 2.2496, 0.2422** is the 20% darker color. If you saturate the color by 10%, you get **11.8252, 8.2540, 2.0313**, and if you desaturate by 10%, it is **13.4789, 10.7974, 4.9381**.

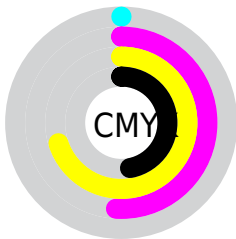
Distribution



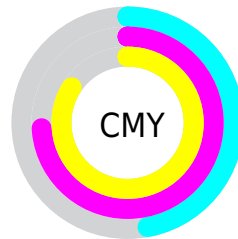
- Red (53%)
- Green (26%)
- Blue (16%)



- Red (53%)
- Yellow (30%)
- Blue (16%)



- Cyan (0%)
- Magenta (51%)
- Yellow (70%)
- Black (47%)




- Cyan (47%)
- Magenta (74%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5607, 9.4086, 3.2518 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 12.5607, 9.4086, 3.2518 by changing the saturation by 10% instead.


 12.5607, 9.4086,
3.2518

 12.5607, 9.4086,
3.2518


201.7778,
186.3974, 139.5057


 7.2017, 5.0086,
1.2246


 30.1203, 24.6770,
12.2437


 3.6360, 2.2523,
0.0000

 43.0517, 36.3143,
20.0455


 1.4983, 0.7483,
0.0000

 59.2378, 51.1328,
30.6092

 0.3247, 0.0000,
0.0000

 79.0440, 69.5169,
44.3534

 0.0000, 0.0000,
0.0000

 102.8358, 91.8510,
61.6966

 130.9785,

118.5196, 83.0574

163.8373,
149.9069, 108.8542

12.5607, 9.4086,
3.2518

12.5607, 9.4086,
3.2518

11.8252, 8.2540,
2.0313

13.4789, 10.7974,
4.9381

11.2577, 7.3184,
1.2276

14.5915, 12.4314,
7.1314

10.8276, 6.5811,
0.7054

15.9098, 14.3226,
9.8689

10.8219, 6.5715,
0.6980

17.4442, 16.4819,
13.1840

19.2041, 18.9194,
17.1077

■ 21.1986, 21.6446,
21.6685

■ 23.4361, 24.6667,
26.8931

■ 25.9246, 27.9945,
32.8069

■ 28.6717, 31.6362,
39.4338

Harmonies

Analogous

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



14.2279, 9.4086, 6.8540



12.5607, 9.4086, 3.2518



10.0672, 9.4086, 1.9460

Triad

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



12.5607, 9.4086, 3.2518



5.1121, 9.4086, 7.4510



10.3566, 9.4086, 29.2422

Complementary

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



12.5607, 9.4086, 3.2518



10.9338, 13.3999, 25.3026

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.



7.9050, 9.4086, 29.6532



12.5607, 9.4086, 3.2518



5.1612, 9.4086, 14.6009

Square

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



12.5607, 9.4086, 3.2518



5.9470, 9.4086, 3.5172



6.0960, 9.4086, 23.4468



12.8055, 9.4086, 22.4953

Rectangle

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



12.5607, 9.4086, 3.2518



8.4085, 9.4086, 1.8580



6.0960, 9.4086, 23.4468



9.4988, 9.4086, 30.2058

Sweetspot

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



12.5609, 9.4091, 3.2520



33.3190, 32.6195, 28.9664



13.7971, 7.9605, 15.7521



7.5406, 7.3117, 6.3142



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.



12.5609, 9.4091, 3.2520



20.2087, 13.5170, 2.6521



16.5520, 17.3913, 4.5823



5.1371, 5.2570, 5.2963



10.2497, 6.2338, 0.6630



0.0790, 0.0632, 0.0080

Inverse Universe

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



10.9338, 13.3999, 25.3026



17.0476, 20.8477, 44.1739



7.1451, 5.8225, 24.0397



5.0590, 5.4610, 6.3933



8.4167, 10.1037, 23.5523



0.0681, 0.0916, 0.1605

Previews

White Background



This preview shows how the XYZ color 12.5607, 9.4086, 3.2518 looks on a white background.

Color Contrast Check

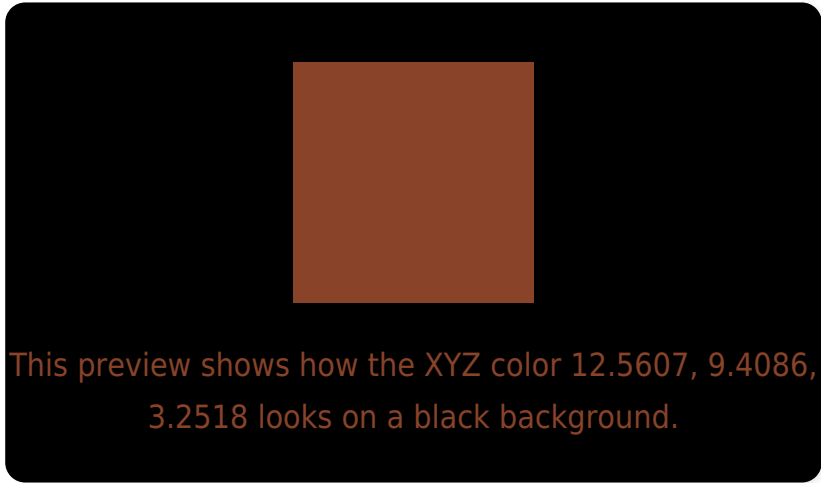
Large Text (above 18pt) WCAG AA ✓ Pass

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

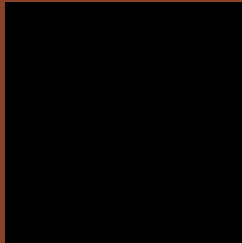
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.5607, 9.4086, 3.2518

Background



This preview shows how black text looks on a background with the XYZ color 12.5607, 9.4086, 3.2518.



This preview shows how white text looks on a background with the XYZ color 12.5607, 9.4086,

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

12.5607, 9.4086, 3.2518

Protanopia

8.7656, 9.5166, 4.1712

Deuteranopia

9.6115, 9.5082, 3.0790



Tritanopia

13.1933, 9.4025, 6.5883

Trichromacy



Original Color

12.5607, 9.4086, 3.2518

Protanomaly

9.8979, 9.3063, 3.7572

Deuteranomaly

10.4749, 9.2992, 3.0766

Tritanomaly

12.9705, 9.4044, 5.1346

Monochromacy



Original Color

12.5607, 9.4086, 3.2518

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

9.5075, 8.8215, 6.8318

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5607, 9.4086, 3.2518 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(136, 67, 41)` looks like.

```
.text, #text, p{  
    color:rgb(136, 67, 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(136, 67, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 67, 41) }
```

Border

The CSS property to change the border of an element to XYZ 12.5607, 9.4086, 3.2518 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(136, 67, 41) }
```


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

```
.border{ border-color:rgb(136, 67, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 67, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 67, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 67, 41);  
box-shadow:4px 4px 4px 4px rgb(136, 67,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5607, 9.4086, 3.2518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 67, 41) }
```

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

```
.background{ background-color: rgb(136, 67,  
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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