

Converting Colors

XYZ(12.1369, 9.3380, 2.2169)

Have a look what the booklet for
XYZ(12.1369, 9.3380, 2.2169)
contains.

XYZ(12.0965, 9.2817, 2.1909)	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(12.0965, 9.2817,
2.1909)**

Conversions

Conversions Part 1

Format	Color
Hex	86441B
RGB	134, 68, 27
RGB Percent	53%, 27%, 11%
CMY	0.4745, 0.7333, 0.8941
CMYK	0.00, 0.49, 0.80, 0.47
HSL	23°, 66%, 32%
HSV	23°, 80%, 53%
XYZ	12.0965, 9.2817, 2.1909
YIQ	83.0600, 52.4970, 1.2410

Conversions

Conversions Part 2

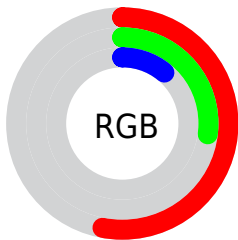
Format	Color
R_YB	134, 93, 27
Decimal	8799259
CIE Lab	36.52, 25.12, 36.16
CIE LCh	37, 44.025, 55.210
Yxy	9.2817, 0.5132, 0.3938
Android (android.graphics.Color)	4286989339 (0xFF86441B)
YUV	83.0600, -27.6376, 44.6744
Hunter-Lab	30.4659, 17.5583, 17.0624

Details

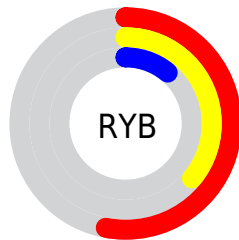
The XYZ color **12.0965, 9.2817, 2.1909** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **8.6692, 9.7824, 23.9855**, and the grayscale version is **8.2815, 8.7128, 9.4882**.

A 20% lighter version of the original color is **29.3021, 24.4101, 9.4706**, and **3.5114, 2.2361, 0.2465** is the 20% darker color. If you saturate the color by 10%, you get **11.5103, 8.3034, 1.3975**, and if you desaturate by 10%, it is **12.8244, 10.4303, 3.3808**.

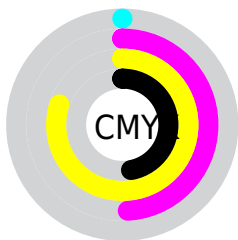
Distribution



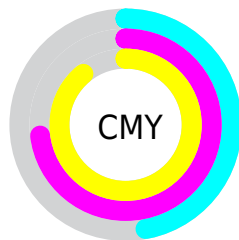
- Red (53%)
- Green (27%)
- Blue (11%)



- Red (53%)
- Yellow (36%)
- Blue (11%)



- Cyan (0%)
- Magenta (49%)
- Yellow (80%)
- Black (47%)




- Cyan (47%)
- Magenta (73%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.0965, 9.2817, 2.1909 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 12.0965, 9.2817, 2.1909 by changing the saturation by 10% instead.


 12.0965, 9.2817,
2.1909


 12.0965, 9.2817,
2.1909


198.8000,
185.4657, 125.2740


 6.8821, 4.9254,
0.6691


 29.2861, 24.4354,
9.5564

 3.4341, 2.2035,
0.0000

 41.9920, 36.0015,
16.2663


 1.3873, 0.7219,
0.0000

 57.9257, 50.7398,
25.5524

 0.2471, 0.0000,
0.0000


 77.4527, 69.0344,
37.8332

 0.0000, 0.0000,
0.0000

 100.9383, 91.2700,
53.5272


 128.7478,


117.8308, 73.0530

 161.2465,
149.1012, 96.8291


 12.0965, 9.2817,
2.1909


 12.0965, 9.2817,
2.1909


 11.5103, 8.3034,
1.3975


 12.8244, 10.4303,
3.3808


 11.0372, 7.4781,
0.8675

 13.7046, 11.7567,
5.0126

 11.0307, 7.4667,
0.8598

 14.7474, 13.2695,
7.1259

 15.9617, 14.9762,
9.7558

 17.3557, 16.8841,
12.9342

■ 18.9372, 18.9998,
16.6901

■ 20.7133, 21.3296,
21.0506

■ 22.6909, 23.8797,
26.0412

■ 24.8762, 26.6558,
31.6857

Harmonies

Analogous

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



14.3460, 9.2817, 5.0382



12.0965, 9.2817, 2.1909



9.2588, 9.2817, 1.3846

Triad

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



12.0965, 9.2817, 2.1909



4.6228, 9.2817, 8.9246



11.2008, 9.2817, 30.1687

Complementary

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



12.0965, 9.2817, 2.1909



8.6692, 9.7824, 23.9855

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.



8.3991, 9.2817, 33.0604



12.0965, 9.2817, 2.1909



4.9366, 9.2817, 17.7745

Square

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



12.0965, 9.2817, 2.1909



5.2343, 9.2817, 3.8132



6.1991, 9.2817, 27.6881



13.7598, 9.2817, 21.0652

Rectangle

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



12.0965, 9.2817, 2.1909



7.5394, 9.2817, 1.5119



6.1991, 9.2817, 27.6881



10.2424, 9.2817, 32.0466

Sweetspot

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



12.0967, 9.2822, 2.1911



32.0201, 31.6857, 26.1807



12.2784, 6.6742, 11.4121



7.0254, 6.8857, 5.4528



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



12.0967, 9.2822, 2.1911



19.5961, 13.4169, 1.7561



16.7138, 18.5164, 3.7301



4.8080, 4.9597, 4.9333



10.3472, 7.0170, 0.8091



0.0425, 0.0377, 0.0050

Inverse Universe

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



8.6692, 9.7824, 23.9855



13.2023, 14.1452, 41.7729



5.5573, 3.5587, 22.9482



4.6557, 4.9870, 5.9180



6.9170, 7.3817, 22.1969



0.0310, 0.0397, 0.0793

Previews

White Background



This preview shows how the XYZ color 12.0965, 9.2817, 2.1909 looks on a white background.

Color Contrast Check

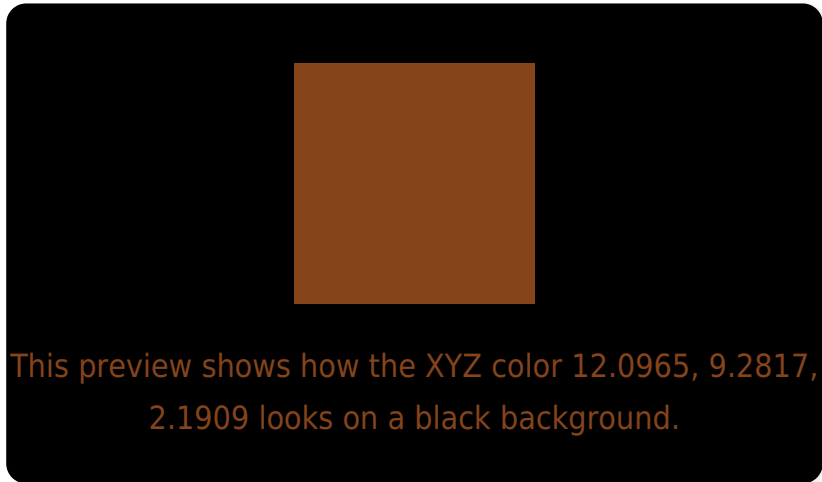
Large Text (above 18pt) WCAG AA ✓ Pass

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

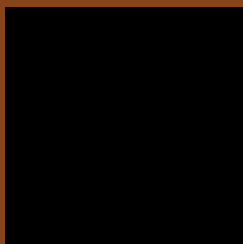
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.0965, 9.2817, 2.1909

Background



This preview shows how black text looks on a background with the XYZ color 12.0965, 9.2817, 2.1909.



This preview shows how white text looks on a background with the XYZ color 12.0965, 9.2817,

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

12.0965, 9.2817, 2.1909

Protanopia

8.5987, 9.4621, 2.7397

Deuteranopia

9.4688, 9.3437, 2.0635



Tritanopia

13.0301, 9.3184, 6.5807

Trichromacy



Original Color

12.0965, 9.2817, 2.1909

Protanomaly

9.5334, 9.1461, 2.4912

Deuteranomaly

10.2900, 9.2253, 2.1025

Tritanomaly

12.5246, 9.1885, 4.4816

Monochromacy



Original Color

12.0965, 9.2817, 2.1909

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

9.1011, 8.6324, 5.8892

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0965, 9.2817, 2.1909 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(134, 68, 27)` looks like.

```
.text, #text, p{  
    color:rgb(134, 68, 27)  
}
```

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(134, 68, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 68, 27) }
```

Border

The CSS property to change the border of an element to XYZ 12.0965, 9.2817, 2.1909 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(134, 68, 27) }
```


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

```
.border{ border-color:rgb(134, 68, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 68, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 68, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 68, 27);  
box-shadow:4px 4px 4px 4px rgb(134, 68,  
27) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0965, 9.2817, 2.1909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 68, 27) }
```

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

```
.background{ background-color: rgb(134, 68,  
27) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor