

Converting Colors

XYZ(12.2084, 9.2490, 2.2404)

Have a look what the booklet for
XYZ(12.2084, 9.2490, 2.2404)
contains.

XYZ(12.2084, 9.2490, 2.2404)	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(12.2084, 9.2490,
2.2404)**

Conversions

Conversions Part 1

Format	Color
Hex	87431C
RGB	135, 67, 28
RGB Percent	53%, 26%, 11%
CMY	0.4706, 0.7372, 0.8902
CMYK	0.00, 0.50, 0.79, 0.47
HSL	22°, 66%, 32%
HSV	22°, 79%, 53%
XYZ	12.2084, 9.2490, 2.2404
YIQ	82.8860, 53.0470, 2.2870

Conversions

Conversions Part 2

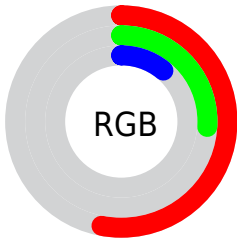
Format	Color
R_{YB}	135, 89, 28
Decimal	8864540
CIE _{Lab}	36.46, 26.16, 35.64
CIE _{LCh}	36, 44.211, 53.724
Yxy	9.2490, 0.5152, 0.3903
Android (android.graphics.Color)	4287054620 (0xFF87431C)
YUV	82.8860, -27.0588, 45.7040
Hunter-Lab	30.4122, 18.4342, 16.9207

Details

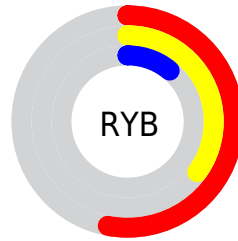
The XYZ color **12.2084, 9.2490, 2.2404** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **9.0346, 10.3613, 24.4452**, and the grayscale version is **8.2448, 8.6741, 9.4461**.

A 20% lighter version of the original color is **29.4737, 24.3227, 9.6199**, and **3.4926, 2.1986, 0.2403** is the 20% darker color. If you saturate the color by 10%, you get **11.6089, 8.2531, 1.4147**, and if you desaturate by 10%, it is **12.9564, 10.4261, 3.4735**.

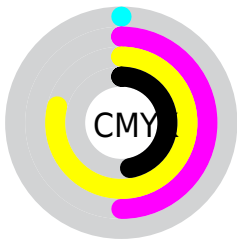
Distribution



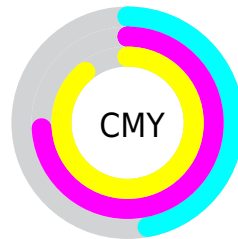
- Red (53%)
- Green (26%)
- Blue (11%)



- Red (53%)
- Yellow (35%)
- Blue (11%)



- Cyan (0%)
- Magenta (50%)
- Yellow (79%)
- Black (47%)



- Cyan (47%)
- Magenta (74%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2084, 9.2490, 2.2404 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 12.2084, 9.2490, 2.2404 by changing the saturation by 10% instead.

12.2084, 9.2490,
2.2404

12.2084, 9.2490,
2.2404

199.5220,
185.2247, 126.0046

6.9590, 4.9040,
0.6975

29.4877, 24.3730,
9.6882

3.4826, 2.1910,
0.0000

42.2482, 35.9208,
16.4540

1.4138, 0.7151,
0.0000

58.2432, 50.6382,
25.8059

0.2660, 0.0000,
0.0000


77.8380, 68.9098,
38.1624


0.0000, 0.0000,
0.0000


101.3979, 91.1198,
53.9419


129.2883,


117.6527, 73.5631


 161.8745,
148.8929, 97.4445


 12.2084, 9.2490,
2.2404


 12.2084, 9.2490,
2.2404


 11.6089, 8.2531,
1.4147


 12.9564, 10.4261,
3.4735


 11.1311, 7.4211,
0.8745

 13.8641, 11.7925,
5.1601

 11.0987, 7.3651,
0.8366

 14.9420, 13.3577,
7.3401

 16.1994, 15.1297,
10.0494

 17.6450, 17.1163,
13.3201

■ 19.2868, 19.3247,
17.1818

■ 21.1323, 21.7619,
21.6622

■ 23.1886, 24.4344,
26.7870

■ 25.4623, 27.3485,
32.5807

Harmonies

Analogous

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



14.4071, 9.2490, 5.2209



12.2084, 9.2490, 2.2404



9.3667, 9.2490, 1.3685

Triad

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



12.2084, 9.2490, 2.2404



4.5969, 9.2490, 8.5410



11.0330, 9.2490, 30.5430

Complementary

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



12.2084, 9.2490, 2.2404



9.0346, 10.3613, 24.4452

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.



8.2392, 9.2490, 33.0374



12.2084, 9.2490, 2.2404



4.8648, 9.2490, 17.2573

Square

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



12.2084, 9.2490, 2.2404



5.2547, 9.2490, 3.6164



6.0793, 9.2490, 27.2839



13.6377, 9.2490, 21.5789

Rectangle

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



12.2084, 9.2490, 2.2404



7.6234, 9.2490, 1.4585



6.0793, 9.2490, 27.2839



10.0719, 9.2490, 32.3073

Sweetspot

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



12.2086, 9.2495, 2.2406



32.9425, 32.4690, 26.9836



12.5903, 6.8548, 12.1037



7.4209, 7.2384, 5.7627



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.



12.2086, 9.2495, 2.2406



20.1145, 13.5899, 1.8156



16.7921, 18.4164, 3.7684



4.8013, 4.9462, 4.9310



10.2464, 6.8154, 0.7755



0.0420, 0.0366, 0.0049

Inverse Universe

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



9.0346, 10.3613, 24.4452



14.0747, 15.4554, 43.2897



5.7547, 3.8013, 23.3519



4.6627, 5.0009, 5.9203



7.0987, 7.7453, 22.2575



0.0316, 0.0408, 0.0794

Previews

White Background



This preview shows how the XYZ color 12.2084, 9.2490, 2.2404 looks on a white background.

Color Contrast Check

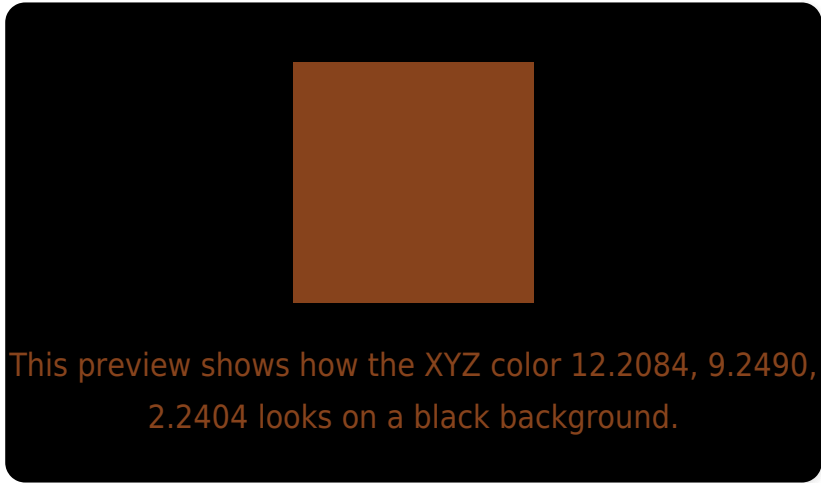
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.2084, 9.2490, 2.2404

Background



This preview shows how black text looks on a background with the XYZ color 12.2084, 9.2490, 2.2404.



This preview shows how white text looks on a background with the XYZ color 12.2084, 9.2490,

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

12.2084, 9.2490, 2.2404

Protanopia

8.5066, 9.4130, 2.8074

Deuteranopia

9.4786, 9.3477, 2.1153



Tritanopia

13.1072, 9.2786, 6.4103

Trichromacy



Original Color

12.2084, 9.2490, 2.2404

Protanomaly

9.5464, 9.1512, 2.5595

Deuteranomaly

10.3006, 9.2295, 2.1583

Tritanomaly

12.6293, 9.1581, 4.4702

Monochromacy



Original Color

12.2084, 9.2490, 2.2404

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

9.0306, 8.4914, 5.8657

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2084, 9.2490, 2.2404 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, 67, 28)` looks like.

```
.text, #text, p{  
    color:rgb(135, 67, 28)  
}
```

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, 67, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 67, 28) }
```

Border

The CSS property to change the border of an element to XYZ 12.2084, 9.2490, 2.2404 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, 67, 28) }
```


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

```
.border{ border-color:rgb(135, 67, 28) }
```

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

Here you see how a box with a 4 pixel rgb(135, 67, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 67, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 67, 28);  
box-shadow:4px 4px 4px 4px rgb(135, 67,  
28) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2084, 9.2490, 2.2404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 67, 28) }
```

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

```
.background{ background-color: rgb(135, 67,  
28) }
```

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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