

Converting Colors

XYZ(13.0113, 8.4490, 2.1006)

Have a look what the booklet for
XYZ(13.0113, 8.4490, 2.1006)
contains.

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Color

**XYZ(13.0827, 8.4761,
2.1089)**

Conversions

Conversions Part 1

Format	Color
Hex	91331D
RGB	145, 51, 29
RGB Percent	57%, 20%, 11%
CMY	0.4314, 0.8000, 0.8863
CMYK	0.00, 0.65, 0.80, 0.43
HSL	11°, 67%, 34%
HSV	11°, 80%, 57%
XYZ	13.0827, 8.4761, 2.1089
YIQ	76.5980, 63.0860, 13.0860

Conversions

Conversions Part 2

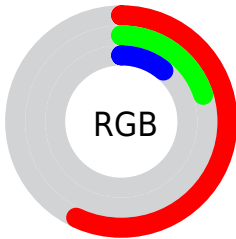
Format	Color
R_{YB}	145, 56, 29
Decimal	9515805
CIE _{Lab}	34.96, 38.53, 34.14
CIE _{LCh}	35, 51.478, 41.549
Yxy	8.4761, 0.5528, 0.3581
Android (android.graphics.Color)	4287705885 (0xFF91331D)
YUV	76.5980, -23.4658, 59.9886
Hunter-Lab	29.1137, 29.2626, 16.0849

Details

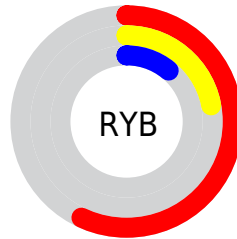
The XYZ color **13.0827, 8.4761, 2.1089** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **12.6999, 16.4702, 29.2977**, and the grayscale version is **7.0138, 7.3790, 8.0358**.

A 20% lighter version of the original color is **31.1642, 22.9763, 9.2709**, and **3.9305, 2.0262, 0.1839** is the 20% darker color. If you saturate the color by 10%, you get **12.4937, 7.5207, 1.2267**, and if you desaturate by 10%, it is **13.8863, 9.7258, 3.4793**.

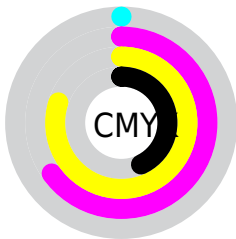
Distribution



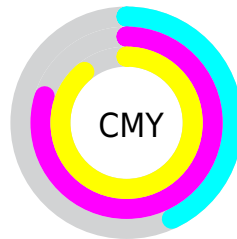
- Red (57%)
- Green (20%)
- Blue (11%)



- Red (57%)
- Yellow (22%)
- Blue (11%)



- Cyan (0%)
- Magenta (65%)
- Yellow (80%)
- Black (43%)



- Cyan (43%)
- Magenta (80%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0827, 8.4761, 2.1089 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 13.0827, 8.4761, 2.1089 by changing the saturation by 10% instead.

■ 13.0827, 8.4761,
2.1089

■ 13.0827, 8.4761,
2.1089

205.0739,
179.4200, 124.0455

■ 7.5629, 4.4011,
0.6211

■ 31.0523, 22.8866,
9.3364

■ 3.8660, 1.9004,
0.0000

■ 44.2329, 33.9909,
15.9523

■ 1.6266, 0.5486,
0.0000

■ 60.6977, 48.2071,
25.1277

■ 0.4097, 0.0000,
0.0000

■ 80.8122, 65.9196,
37.2811

■ 0.0000, 0.0000,
0.0000

■ 104.9417, 87.5127,
52.8310

■ 133.4516,

113.3709, 72.1960

166.7072,
143.8785, 95.7947

13.0827, 8.4761,
2.1089

13.0827, 8.4761,
2.1089

12.4937, 7.5207,
1.2267

13.8863, 9.7258,
3.4793

12.0807, 6.8270,
0.6810

14.9234, 11.2904,
5.3958

12.0807, 6.8270,
0.6810

16.2112, 13.1903,
7.9084

17.7653, 15.4438,
11.0616

19.5999, 18.0677,
14.8953

■ 21.7280, 21.0777,
19.4464

■ 24.1619, 24.4888,
24.7490

■ 26.9134, 28.3150,
30.8351

■ 29.9933, 32.5697,
37.7348

Harmonies

Analogous

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



14.9782, 8.4761, 6.3471



13.0827, 8.4761, 2.1089



9.9854, 8.4761, 0.7996

Triad

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



13.0827, 8.4761, 2.1089



3.7890, 8.4761, 4.9879



9.2444, 8.4761, 35.9946

Complementary

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



13.0827, 8.4761, 2.1089



12.6999, 16.4702, 29.2977

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.



6.3932, 8.4761, 34.7567



13.0827, 8.4761, 2.1089



3.6832, 8.4761, 12.8730

Square

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



13.0827, 8.4761, 2.1089



4.8529, 8.4761, 1.6337



4.5171, 8.4761, 24.7128



12.4278, 8.4761, 27.4725

Rectangle

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



13.0827, 8.4761, 2.1089



7.9041, 8.4761, 0.6159



4.5171, 8.4761, 24.7128



8.2104, 8.4761, 36.7997

Sweetspot

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



13.0829, 8.4766, 2.1090



37.1299, 35.2337, 30.9944



15.7377, 8.3470, 19.7622



7.9938, 7.4612, 6.3272



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



13.0829, 8.4766, 2.1090



21.7781, 12.4468, 1.4714



17.2896, 16.8899, 3.5113



5.4866, 5.5794, 5.6771



10.3773, 5.8862, 0.5892



0.1115, 0.0809, 0.0097

Inverse Universe

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



12.6999, 16.4702, 29.2977



20.8583, 26.9319, 52.0726



7.5502, 6.1709, 27.5812



5.4745, 5.9448, 6.8877



9.9072, 12.8004, 24.9256



0.1092, 0.1513, 0.2431

Previews

White Background



This preview shows how the XYZ color 13.0827, 8.4761, 2.1089 looks on a white background.

Color Contrast Check

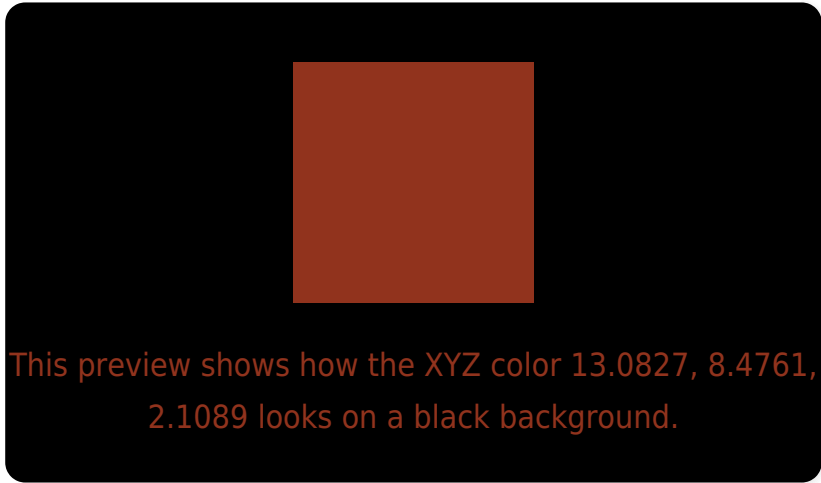
Large Text (above 18pt) WCAG AA ✓ Pass

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

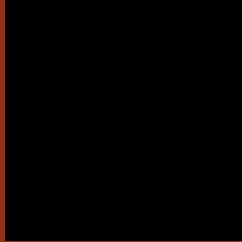
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.0827, 8.4761, 2.1089

Background



This preview shows how black text looks on a background with the XYZ color 13.0827, 8.4761, 2.1089.



This preview shows how white text looks on a background with the XYZ color 13.0827, 8.4761,

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

13.0827, 8.4761, 2.1089

Protanopia

7.8567, 8.6018, 3.0799

Deuteranopia

8.7570, 8.6494, 1.9174



Tritanopia

13.5086, 8.4639, 4.0537

Trichromacy



Original Color

13.0827, 8.4761, 2.1089

Protanomaly

9.1122, 8.0073, 2.6554

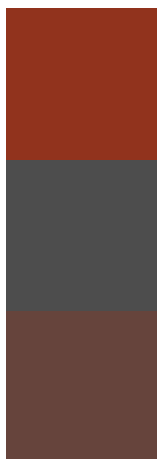
Deuteranomaly

10.0387, 8.3153, 1.9401

Tritanomaly

13.3884, 8.4820, 3.2170

Monochromacy



Original Color

13.0827, 8.4761, 2.1089

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

8.3622, 7.2853, 5.2404

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0827, 8.4761, 2.1089 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(145, 51, 29)` looks like.

```
.text, #text, p{  
    color:rgb(145, 51, 29)  
}
```

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(145, 51, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 51, 29) }
```

Border

The CSS property to change the border of an element to XYZ 13.0827, 8.4761, 2.1089 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(145, 51, 29) }
```


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

```
.border{ border-color:rgb(145, 51, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 51, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 51, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 51, 29);  
box-shadow:4px 4px 4px 4px rgb(145, 51,  
29) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0827, 8.4761, 2.1089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 51, 29) }
```

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

```
.background{ background-color: rgb(145, 51,  
29) }
```

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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