

Converting Colors

XYZ(13.1540, 8.9546, 2.0664)

Have a look what the booklet for
XYZ(13.1540, 8.9546, 2.0664)
contains.

XYZ(13.1626, 8.9347, 2.0677)	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(13.1626, 8.9347,
2.0677)**

Conversions

Conversions Part 1

Format	Color
Hex	90391B
RGB	144, 57, 27
RGB Percent	56%, 22%, 11%
CMY	0.4353, 0.7764, 0.8941
CMYK	0.00, 0.60, 0.81, 0.44
HSL	15°, 68%, 34%
HSV	15°, 81%, 56%
XYZ	13.1626, 8.9347, 2.0677
YIQ	79.5930, 61.4820, 9.1140

Conversions

Conversions Part 2

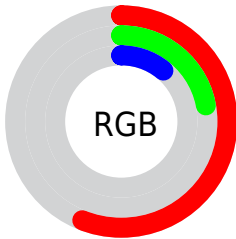
Format	Color
R_{YB}	144, 67, 27
Decimal	9451803
CIE Lab	35.86, 35.16, 36.05
CIE LCh	36, 50.357, 45.719
Yxy	8.9347, 0.5447, 0.3697
Android (android.graphics.Color)	4287641883 (0xFF90391B)
YUV	79.5930, -25.9283, 56.4849
Hunter-Lab	29.8910, 26.2939, 16.8223

Details

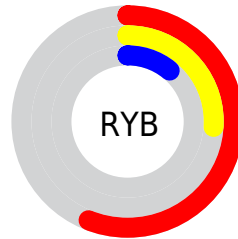
The XYZ color **13.1626, 8.9347, 2.0677** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **11.5028, 14.2801, 28.5356**, and the grayscale version is **7.5867, 7.9817, 8.6921**.

A 20% lighter version of the original color is **31.0889, 23.6929, 9.2380**, and **3.9630, 2.0914, 0.1948** is the 20% darker color. If you saturate the color by 10%, you get **12.5604, 7.9347, 1.2369**, and if you desaturate by 10%, it is **13.9586, 10.1917, 3.3661**.

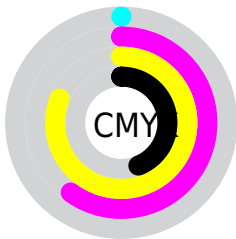
Distribution



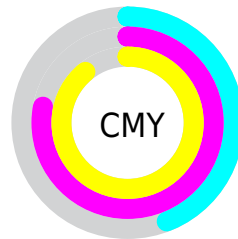
- Red (56%)
- Green (22%)
- Blue (11%)



- Red (56%)
- Yellow (26%)
- Blue (11%)



- Cyan (0%)
- Magenta (60%)
- Yellow (81%)
- Black (44%)





- Cyan (44%)
- Magenta (78%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.1626, 8.9347, 2.0677 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 13.1626, 8.9347, 2.0677 by changing the saturation by 10% instead.


 13.1626, 8.9347,
2.0677


 13.1626, 8.9347,
2.0677


205.5737,
182.8900, 123.4193


 7.6184, 4.6986,
0.5964


 31.1944, 23.7715,
9.2251


 3.9015, 2.0715,
0.0000

 44.4127, 35.1410,
15.7931


 1.6466, 0.6485,
0.0000

 60.9198, 49.6570,
24.9120

 0.4225, 0.0000,
0.0000


 81.0810, 67.7041,
37.0004


 0.0000, 0.0000,
0.0000


 105.2616, 89.6665,
52.4767


 133.8270,


115.9287, 71.7597


 167.1426,
146.8751, 95.2677


 13.1626, 8.9347,
2.0677


 13.1626, 8.9347,
2.0677


 12.5604, 7.9347,
1.2369


 13.9586, 10.1917,
3.3661

 12.1609, 7.2480,
0.7581

 14.9648, 11.7214,
5.1896

 16.1963, 13.5399,
7.5874

 17.6667, 15.6613,
10.6031

 19.3882, 18.0990,
14.2761

■ 21.3723, 20.8656,
18.6422

■ 23.6298, 23.9728,
23.7350

■ 26.1709, 27.4318,
29.5856

■ 29.0050, 31.2534,
36.2234

Harmonies

Analogous

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



15.3017, 8.9347, 5.9200



13.1626, 8.9347, 2.0677



9.9881, 8.9347, 0.9105

Triad

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



13.1626, 8.9347, 2.0677



4.0560, 8.9347, 6.2110



10.1440, 8.9347, 35.6793

Complementary

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



13.1626, 8.9347, 2.0677



11.5028, 14.2801, 28.5356

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.



7.1536, 8.9347, 35.9339



13.1626, 8.9347, 2.0677



4.0789, 8.9347, 14.8958

Square

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



13.1626, 8.9347, 2.0677



5.0102, 8.9347, 2.1734



5.0823, 8.9347, 26.8791



13.2996, 8.9347, 26.3086

Rectangle

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



13.1626, 8.9347, 2.0677



7.9329, 8.9347, 0.8193



5.0823, 8.9347, 26.8791



9.0771, 8.9347, 36.9618

Sweetspot

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



13.1628, 8.9352, 2.0678



36.5092, 35.1551, 30.2460



14.9736, 7.9452, 16.8887



8.1140, 7.7016, 6.3673



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.



13.1628, 8.9352, 2.0678



21.5399, 12.9164, 1.5182



17.8017, 18.2129, 3.6141



5.5143, 5.6350, 5.6864



10.6069, 6.3455, 0.6658



0.1171, 0.0920, 0.0116

Inverse Universe

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



11.5028, 14.2801, 28.5356



18.3040, 22.2979, 49.8772



6.9124, 5.0993, 27.0054



5.4448, 5.8854, 6.8778



8.9881, 10.9622, 24.6193



0.1037, 0.1402, 0.2413

Previews

White Background



This preview shows how the XYZ color 13.1626, 8.9347, 2.0677 looks on a white background.

Color Contrast Check

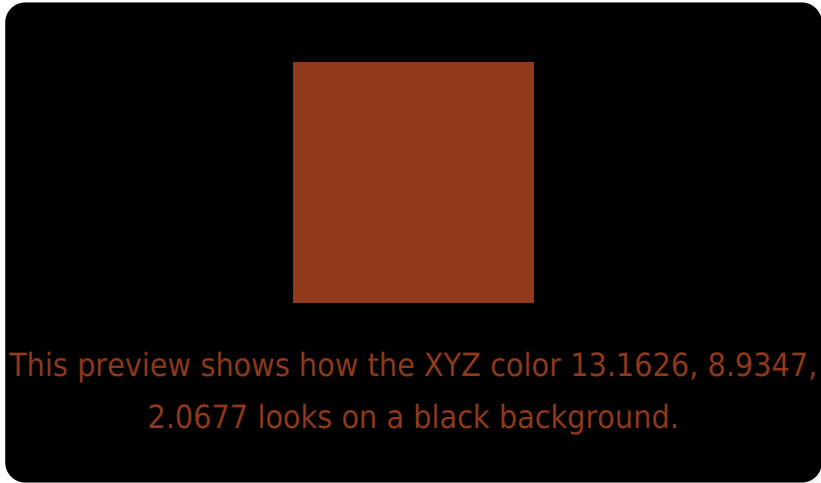
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.1626, 8.9347, 2.0677

Background



This preview shows how black text looks on a background with the XYZ color 13.1626, 8.9347, 2.0677.



This preview shows how white text looks on a background with the XYZ color 13.1626, 8.9347,

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

13.1626, 8.9347, 2.0677

Protanopia

8.2712, 9.0512, 2.9012

Deuteranopia

9.1234, 9.0577, 1.8835



Tritanopia

13.7347, 8.9535, 4.8752

Trichromacy



Original Color

13.1626, 8.9347, 2.0677

Protanomaly

9.5868, 8.6471, 2.5303

Deuteranomaly

10.2079, 8.6857, 1.8976

Tritanomaly

13.5364, 8.9494, 3.5987

Monochromacy



Original Color

13.1626, 8.9347, 2.0677

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

8.7532, 7.8552, 5.4697

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1626, 8.9347, 2.0677 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(144, 57, 27)` looks like.

```
.text, #text, p{  
    color:rgb(144, 57, 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(144, 57, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 57, 27) }
```

Border

The CSS property to change the border of an element to XYZ 13.1626, 8.9347, 2.0677 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(144, 57, 27) }
```


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

```
.border{ border-color:rgb(144, 57, 27) }
```

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

Here you see how a box with a 4 pixel rgb(144, 57, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 57, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 57, 27);  
box-shadow:4px 4px 4px 4px rgb(144, 57,  
27) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1626, 8.9347, 2.0677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 57, 27) }
```

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

```
.background{ background-color: rgb(144, 57,  
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](#).

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