

Converting Colors

XYZ(14.6581, 9.3846, 2.4484)

Have a look what the booklet for
XYZ(14.6581, 9.3846, 2.4484)
contains.

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Color

**XYZ(14.6845, 9.4283,
2.4847)**

Conversions

Conversions Part 1

Format	Color
Hex	993521
RGB	153, 53, 33
RGB Percent	60%, 21%, 13%
CMY	0.4000, 0.7921, 0.8706
CMYK	0.00, 0.65, 0.78, 0.40
HSL	10°, 65%, 36%
HSV	10°, 78%, 60%
XYZ	14.6845, 9.4283, 2.4847
YIQ	80.6200, 66.0200, 14.9800

Conversions

Conversions Part 2

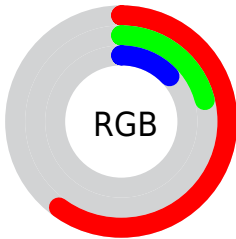
Format	Color
R_{YB}	153, 57, 33
Decimal	10040609
CIE _{Lab}	36.80, 40.72, 34.30
CIE _{LCh}	37, 53.244, 40.106
Yxy	9.4283, 0.5521, 0.3545
Android (android.graphics.Color)	4288230689 (0xFF993521)
YUV	80.6200, -23.4767, 63.4773
Hunter-Lab	30.7055, 31.6305, 16.6961

Details

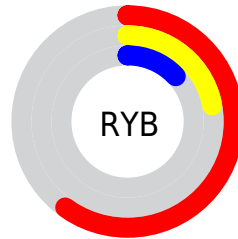
The XYZ color **14.6845, 9.4283, 2.4847** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **14.7637, 19.3966, 33.1027**, and the grayscale version is **7.7822, 8.1875, 8.9162**.

A 20% lighter version of the original color is **33.8022, 24.6113, 10.3660**, and **4.7193, 2.4329, 0.2209** is the 20% darker color. If you saturate the color by 10%, you get **14.0110, 8.3499, 1.4327**, and if you desaturate by 10%, it is **15.6105, 10.8561, 4.1016**.

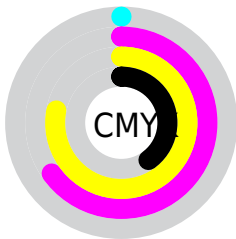
Distribution



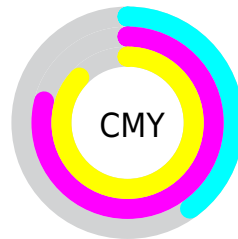
- Red (60%)
- Green (21%)
- Blue (13%)



- Red (60%)
- Yellow (22%)
- Blue (13%)



- Cyan (0%)
- Magenta (65%)
- Yellow (78%)
- Black (40%)



- Cyan (40%)
- Magenta (79%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.6845, 9.4283, 2.4847 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 14.6845, 9.4283, 2.4847 by changing the saturation by 10% instead.


 14.6845, 9.4283,
2.4847


 14.6845, 9.4283,
2.4847


214.8750,
186.5416, 129.4996


 8.6831, 5.0216,
0.8320


 33.8750, 24.7145,
10.3280


 4.5905, 2.2599,
0.0000

 47.7948, 36.3628,
17.3616


 2.0413, 0.7524,
0.0000

 65.0848, 51.1937,
27.0280

 0.6570, 0.0000,
0.0000

 86.1103, 69.5916,
39.7456

 0.0000, 0.0000,
0.0000

 111.2367, 91.9410,
55.9331

 140.8294,

118.6262, 76.0089

175.2537,
150.0316, 100.3915

14.6845, 9.4283,
2.4847

14.6845, 9.4283,
2.4847

14.0110, 8.3499,
1.4327

15.6105, 10.8561,
4.1016

13.5536, 7.5849,
0.8186

16.8113, 12.6587,
6.3484

13.4954, 7.4894,
0.7343

18.3073, 14.8610,
9.2817

20.1168, 17.4853,
12.9516

22.2566, 20.5521,
17.4035

■ 24.7422, 24.0808,
22.6792

■ 27.5882, 28.0894,
28.8174

■ 30.8082, 32.5950,
35.8545

■ 34.4153, 37.6139,
43.8247

Harmonies

Analogous

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



16.6895, 9.4283, 7.4184



14.6845, 9.4283, 2.4847



11.2766, 9.4283, 0.9351

Triad

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



14.6845, 9.4283, 2.4847



4.2526, 9.4283, 5.2750



10.1109, 9.4283, 40.1727

Complementary

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



14.6845, 9.4283, 2.4847



14.7637, 19.3966, 33.1027

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.



6.9868, 9.4283, 38.2292



14.6845, 9.4283, 2.4847



4.0858, 9.4283, 13.7621

Square

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



14.6845, 9.4283, 2.4847



5.4894, 9.4283, 1.7325



4.9600, 9.4283, 26.7921



13.6547, 9.4283, 31.1271

Rectangle

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



14.6845, 9.4283, 2.4847



8.9497, 9.4283, 0.7130



4.9600, 9.4283, 26.7921



8.9729, 9.4283, 40.8706

Sweetspot

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



14.6847, 9.4288, 2.4849



41.5451, 39.2065, 34.7260



17.9143, 9.5535, 23.0900



8.8642, 8.2170, 7.0146



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



14.6847, 9.4288, 2.4849



24.4603, 13.8902, 1.7376



19.3164, 18.6923, 4.0288



6.2879, 6.3809, 6.5061



11.1714, 6.2253, 0.6128



0.1854, 0.1298, 0.0153

Inverse Universe

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



14.7637, 19.3966, 33.1027



24.4007, 32.1022, 58.8823



8.7595, 7.3883, 31.1013



6.2969, 6.8512, 7.9195



11.0980, 14.5927, 27.1395



0.1865, 0.2592, 0.4126

Previews

White Background



This preview shows how the XYZ color 14.6845, 9.4283, 2.4847 looks on a white background.

Color Contrast Check

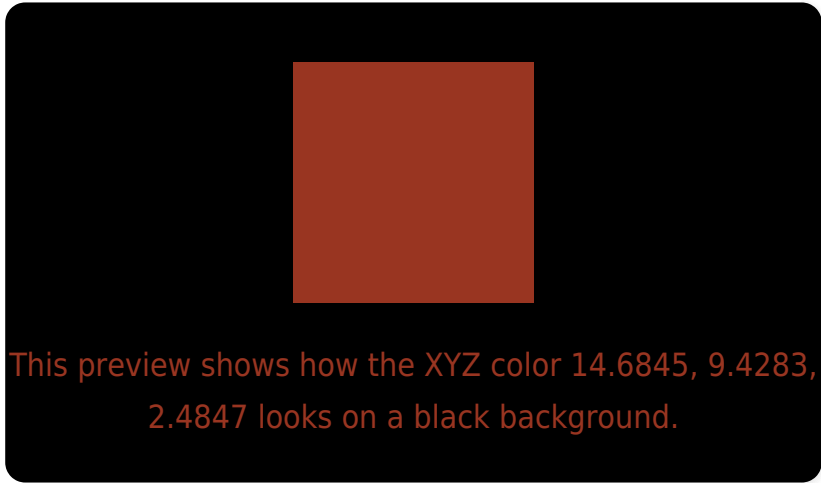
Large Text (above 18pt) WCAG AA ✓ Pass

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

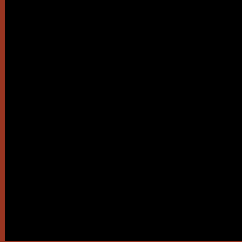
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.6845, 9.4283, 2.4847

Background



This preview shows how black text looks on a background with the XYZ color 14.6845, 9.4283, 2.4847.



This preview shows how white text looks on a background with the XYZ color 14.6845, 9.4283,

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

14.6845, 9.4283, 2.4847

Protanopia

8.8555, 9.6953, 3.6901

Deuteranopia

9.6991, 9.5717, 2.2560



Tritanopia

15.1529, 9.4947, 4.4022

Trichromacy



Original Color

14.6845, 9.4283, 2.4847

Protanomaly

10.2184, 8.9605, 3.1104

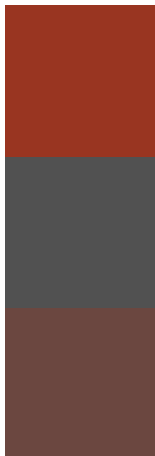
Deuteranomaly

11.1312, 9.1542, 2.2789

Tritanomaly

15.0476, 9.5233, 3.6298

Monochromacy



Original Color

14.6845, 9.4283, 2.4847

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

9.2421, 8.0024, 5.9080

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.6845, 9.4283, 2.4847 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(153, 53, 33)` looks like.

```
.text, #text, p{  
    color:rgb(153, 53, 33)  
}
```

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(153, 53, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 53, 33) }
```

Border

The CSS property to change the border of an element to XYZ 14.6845, 9.4283, 2.4847 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(153, 53, 33) }
```


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

```
.border{ border-color:rgb(153, 53, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 53, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 53, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 53, 33);  
box-shadow:4px 4px 4px 4px rgb(153, 53,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 14.6845, 9.4283, 2.4847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 53, 33) }
```

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

```
.background{ background-color: rgb(153, 53,  
33) }
```

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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