

Converting Colors

XYZ(15.6268, 13.2977, 2.9186)

Have a look what the booklet for
XYZ(15.6268, 13.2977, 2.9186)
contains.

XYZ(15.6482, 13.3445, 2.9134)	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(15.6482, 13.3445,
2.9134)**

Conversions

Conversions Part 1

Format	Color
Hex	92591D
RGB	146, 89, 29
RGB Percent	57%, 35%, 11%
CMY	0.4275, 0.6510, 0.8863
CMYK	0.00, 0.39, 0.80, 0.43
HSL	31°, 67%, 34%
HSV	31°, 80%, 57%
XYZ	15.6482, 13.3445, 2.9134
YIQ	99.2030, 53.2320, -6.5760

Conversions

Conversions Part 2

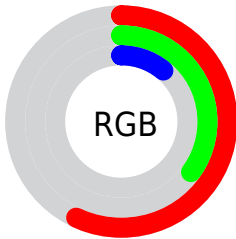
Format	Color
R_{YB}	140, 146, 29
Decimal	9591069
CIE _{Lab}	43.28, 18.53, 42.38
CIE _{LCh}	43, 46.258, 66.384
Y _{xy}	13.3445, 0.4904, 0.4182
Android (android.graphics.Color)	4287781149 (0xFF92591D)
YUV	99.2030, -34.6101, 41.0410
Hunter-Lab	36.5301, 12.5353, 20.8425

Details

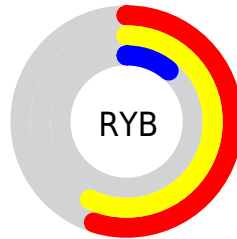
The XYZ color **15.6482, 13.3445, 2.9134** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **9.0225, 8.9916, 28.4538**, and the grayscale version is **11.9866, 12.6108, 13.7332**.

A 20% lighter version of the original color is **35.5096, 31.8527, 11.4843**, and **5.1783, 3.9519, 0.4899** is the 20% darker color. If you saturate the color by 10%, you get **14.9451, 12.1621, 1.9897**, and if you desaturate by 10%, it is **16.4947, 14.6769, 4.3074**.

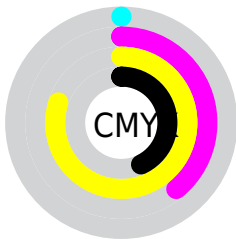
Distribution



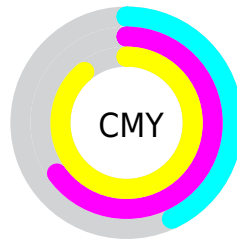
- Red (57%)
- Green (35%)
- Blue (11%)



- Red (55%)
- Yellow (57%)
- Blue (11%)



- Cyan (0%)
- Magenta (39%)
- Yellow (80%)
- Black (43%)





- Cyan (43%)
- Magenta (65%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6482, 13.3445, 2.9134 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 15.6482, 13.3445, 2.9134 by changing the saturation by 10% instead.


 15.6482, 13.3445,
2.9134


 15.6482, 13.3445,
2.9134


220.5682,
213.1139, 135.2499


 9.3648, 7.6662,
1.0506


 35.5488, 31.9213,
11.4140


 5.0389, 3.8821,
0.0000

 49.8967, 45.5886,
18.8888


 2.3051, 1.6078,
0.0000

 67.6635, 62.6877,
29.0715

 0.7973, 0.3629,
0.0000

 89.2145, 83.6030,
42.3804

 0.0000, 0.0000,
0.0000

 114.9152,
108.7189, 59.2341

 145.1307,

138.4197, 80.0513

180.2266,
173.0899, 105.2504

15.6482, 13.3445,
2.9134

15.6482, 13.3445,
2.9134

14.9451, 12.1621,
1.9897

16.4947, 14.6769,
4.3074

14.3616, 11.1263,
1.3907

17.4959, 16.1646,
6.2279

18.6628, 17.8151,
8.7240

20.0050, 19.6342,
11.8385

21.5311, 21.6279,
15.6106

■ 23.2492, 23.8014,
20.0758

■ 25.1667, 26.1598,
25.2673

■ 27.2907, 28.7079,
31.2160

■ 29.6280, 31.4505,
37.9511

Harmonies

Analogous

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



19.0770, 13.3445, 5.6877



15.6482, 13.3445, 2.9134



11.9329, 13.3445, 2.4201

Triad

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



15.6482, 13.3445, 2.9134



6.9954, 13.3445, 16.8358



17.2245, 13.3445, 36.9030

Complementary

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



15.6482, 13.3445, 2.9134



9.0225, 8.9916, 28.4538

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.



13.4650, 13.3445, 44.2776



15.6482, 13.3445, 2.9134



7.9067, 13.3445, 29.6562

Square

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



15.6482, 13.3445, 2.9134



7.3608, 13.3445, 7.9728



10.1192, 13.3445, 41.1391



20.1003, 13.3445, 23.9530

Rectangle

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



15.6482, 13.3445, 2.9134



9.8620, 13.3445, 3.0536



10.1192, 13.3445, 41.1391



15.9977, 13.3445, 40.3382

Sweetspot

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



15.6485, 13.3452, 2.9136



39.6536, 40.2812, 31.8356



14.0342, 7.6861, 9.8683



8.6088, 8.6913, 6.5322



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.



15.6485, 13.3452, 2.9136



25.5540, 19.9985, 2.7300



22.3545, 26.7572, 5.1490



6.0320, 6.2777, 6.1343



12.6608, 9.8360, 1.2312



0.1845, 0.1794, 0.0249

Inverse Universe

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



9.0225, 8.9916, 28.4538



13.4115, 12.0382, 49.5903



6.1344, 3.2154, 27.4911



5.7187, 6.0714, 7.3402



6.5776, 5.8501, 24.7135



0.1098, 0.1302, 0.3123

Previews

White Background



This preview shows how the XYZ color 15.6482, 13.3445, 2.9134 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 × Fail

Black Background



This preview shows how the XYZ color 15.6482, 13.3445, 2.9134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 15.6482, 13.3445, 2.9134

Background



This preview shows how black text looks on a background with the XYZ color 15.6482, 13.3445, 2.9134.



This preview shows how white text looks on a background with the XYZ color 15.6482, 13.3445,

2.9134.

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

15.6482, 13.3445, 2.9134

Protanopia

12.1950, 13.4551, 3.3932

Deuteranopia

13.5144, 13.2911, 2.8304



Tritanopia

17.2909, 13.2973, 11.1065

Trichromacy



Original Color

15.6482, 13.3445, 2.9134

Protanomaly

13.2326, 13.2753, 3.2315

Deuteranomaly

14.1922, 13.2354, 2.8436

Tritanomaly

16.4744, 13.1981, 6.9894

Monochromacy



Original Color

15.6482, 13.3445, 2.9134

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.5307, 12.3918, 8.2100

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6482, 13.3445, 2.9134 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(146, 89, 29)` looks like.

```
.text, #text, p{  
    color:rgb(146, 89, 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(146, 89, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 89, 29) }
```

Border

The CSS property to change the border of an element to XYZ 15.6482, 13.3445, 2.9134 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(146, 89, 29) }
```


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

```
.border{ border-color:rgb(146, 89, 29) }
```

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

Here you see how a box with a 4 pixel rgb(146, 89, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 89, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 89, 29);  
box-shadow:4px 4px 4px 4px rgb(146, 89,  
29) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6482, 13.3445, 2.9134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 89, 29) }
```

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

```
.background{ background-color: rgb(146, 89,  
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](#).

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