

Converting Colors

XYZ(13.2895, 15.6567, 9.8246)

Have a look what the booklet for
XYZ(13.2895, 15.6567, 9.8246)
contains.

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Color

**XYZ(13.2910, 15.6171,
9.9033)**

Conversions

Conversions Part 1

Format	Color
Hex	697250
RGB	105, 114, 80
RGB Percent	41%, 45%, 31%
CMY	0.5882, 0.5529, 0.6863
CMYK	0.08, 0.00, 0.30, 0.55
HSL	76°, 18%, 38%
HSV	76°, 30%, 45%
XYZ	13.2910, 15.6171, 9.9033
YIQ	107.4330, 5.5500, -12.4820

Conversions

Conversions Part 2

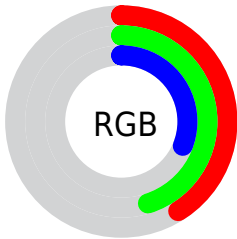
Format	Color
RYB	80, 114, 89
Decimal	6910544
CIELab	46.47, -9.74, 17.76
CIELCh	46, 20.253, 118.730
Yxy	15.6171, 0.3425, 0.4024
Android (android.graphics.Color)	4285100624 (0xFF697250)
YUV	107.4330, -13.5245, -2.1337
Hunter-Lab	39.5185, -9.1236, 12.8049

Details

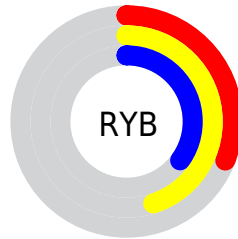
The XYZ color **13.2910, 15.6171, 9.9033** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **10.0264, 9.0765, 17.1440**, and the grayscale version is **14.1312, 14.8671, 16.1903**.

A 20% lighter version of the original color is **31.5033, 36.0255, 26.0621**, and **3.9389, 4.8876, 2.3259** is the 20% darker color. If you saturate the color by 10%, you get **12.5569, 15.2838, 7.8537**, and if you desaturate by 10%, it is **14.1100, 15.9869, 12.3307**.

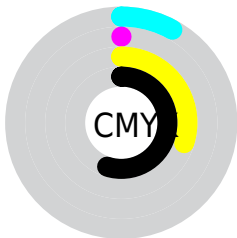
Distribution



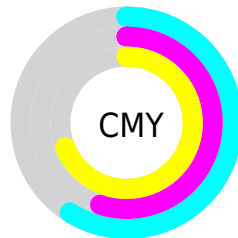
- Red (41%)
- Green (45%)
- Blue (31%)



- Red (31%)
- Yellow (45%)
- Blue (35%)



- Cyan (8%)
- Magenta (0%)
- Yellow (30%)
- Black (55%)





- Cyan (59%)
- Magenta (55%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.2910, 15.6171, 9.9033 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 13.2910, 15.6171, 9.9033 by changing the saturation by 10% instead.

 13.2910, 15.6171,
9.9033

 13.2910, 15.6171,
9.9033


206.3744,
227.0716, 200.4402


 7.7076, 9.2536,
5.2301


 31.4225, 35.9322,
26.2184


 3.9587, 4.9070,
2.3218

 44.7013, 50.6526,
38.6975

 1.6788, 2.1928,
0.7434

 61.2759, 68.9274,
54.6155

 0.4429, 0.7161,
0.0000

 81.5118, 91.1410,
74.3911

 0.0000, 0.0000,
0.0000

 105.7742,
117.6778, 98.4429

134.4286,

148.9223, 127.1893

167.8402,
185.2587, 161.0489

■ 13.2910, 15.6171,
9.9033

■ 13.2910, 15.6171,
9.9033

■ 12.5569, 15.2838,
7.8537

■ 14.1100, 15.9869,
12.3307

■ 11.9028, 14.9833,
6.1619

■ 15.0161, 16.3925,
15.1525

■ 11.3249, 14.7148,
4.8075

■ 16.0131, 16.8360,
18.3856

■ 10.8190, 14.4764,
3.7678

■ 17.1040, 17.3185,
22.0457

■ 10.3798, 14.2662,
3.0172

■ 18.2918, 17.8412,
26.1475

■ 10.0018, 14.0818,
2.5260

■ 19.5792, 18.4054,
30.7051

■ 9.6634, 13.9146,
2.1822

■ 20.9689, 19.0120,
35.7320

■ 9.6576, 13.9118,
2.1762

■ 22.4635, 19.6621,
41.2411

■ 24.0655, 20.3567,
47.2447

Harmonies

Analogous

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



14.9179, 15.6171, 9.1039



13.2910, 15.6171, 9.9033



12.1607, 15.6171, 12.4952

Triad

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



13.2910, 15.6171, 9.9033



13.1719, 15.6171, 26.5923



18.4505, 15.6171, 17.2178

Complementary

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



13.2910, 15.6171, 9.9033



10.0264, 9.0765, 17.1440

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.



17.8946, 15.6171, 22.4856



13.2910, 15.6171, 9.9033



14.7695, 15.6171, 28.5109

Square

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



13.2910, 15.6171, 9.9033



12.0959, 15.6171, 22.0450



16.5126, 15.6171, 26.8796



17.9788, 15.6171, 12.7974

Rectangle

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



13.2910, 15.6171, 9.9033



11.7950, 15.6171, 15.1977



16.5126, 15.6171, 26.8796



18.3769, 15.6171, 18.9488

Sweetspot

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



13.2914, 15.6178, 9.9036



26.4858, 28.8493, 26.9428



11.9189, 11.2189, 9.1269



6.0807, 6.6520, 6.0893



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



13.2914, 15.6178, 9.9036



22.4243, 27.0206, 14.7783



11.5378, 14.7138, 9.8216



3.5599, 3.8740, 3.6335



10.7341, 15.4773, 2.4217



52.6260, 76.6637, 12.0239

Inverse Universe

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



10.0264, 9.0765, 17.1440



15.6751, 13.4931, 29.7538



11.7911, 9.9862, 17.2266



3.2928, 3.3392, 4.2252



3.9685, 1.6552, 17.8319



19.0552, 7.8777, 88.7954

Previews

White Background



This preview shows how the XYZ color 13.2910, 15.6171, 9.9033 looks on a white background.

Color Contrast Check

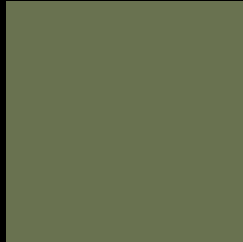
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.2910, 15.6171, 9.9033 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

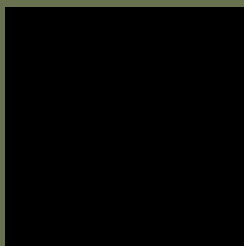
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.2910, 15.6171, 9.9033

Background



This preview shows how black text looks on a background with the XYZ color 13.2910, 15.6171, 9.9033.



This preview shows how white text looks on a background with the XYZ color 13.2910, 15.6171,

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

13.2910, 15.6171, 9.9033

Protanopia

14.5588, 15.6239, 9.4561

Deuteranopia

15.7805, 15.4582, 10.1346



Tritanopia

15.1691, 15.5603, 19.3435

Trichromacy



Original Color

13.2910, 15.6171, 9.9033

Protanomaly

14.0352, 15.5108, 9.6513

Deuteranomaly

14.7329, 15.3842, 9.9775

Tritanomaly

14.3675, 15.5565, 15.3422

Monochromacy



Original Color

13.2910, 15.6171, 9.9033

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.6775, 15.0791, 13.4989

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2910, 15.6171, 9.9033 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(105, 114, 80)` looks like.

```
.text, #text, p{  
    color:rgb(105, 114, 80)  
}
```

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(105, 114, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 114, 80) }
```

Border

The CSS property to change the border of an element to XYZ 13.2910, 15.6171, 9.9033 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(105, 114, 80) }
```


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

```
.border{ border-color:rgb(105, 114, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 114, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 114, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 114, 80);  
box-shadow:4px 4px 4px 4px rgb(105, 114,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2910, 15.6171, 9.9033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 114, 80) }
```

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

```
.background{ background-color: rgb(105,  
114, 80) }
```

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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