

Converting Colors

XYZ(13.1687, 13.8500, 12.8062)

Have a look what the booklet for
XYZ(13.1687, 13.8500, 12.8062)
contains.

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Color

**XYZ(13.2002, 13.9150,
12.8166)**

Conversions

Conversions Part 1

Format	Color
Hex	6C685F
RGB	108, 104, 95
RGB Percent	42%, 41%, 37%
CMY	0.5765, 0.5921, 0.6274
CMYK	0.00, 0.04, 0.12, 0.58
HSL	42°, 6%, 40%
HSV	42°, 12%, 42%
XYZ	13.2002, 13.9150, 12.8166
YIQ	104.1700, 5.2730, -1.9510

Conversions

Conversions Part 2

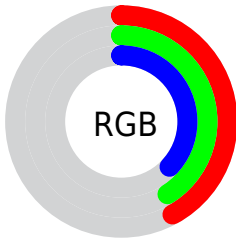
Format	Color
R_{YB}	101, 108, 95
Decimal	7104607
CIE Lab	44.11, -0.17, 5.62
CIE LCh	44, 5.625, 91.704
Yxy	13.9150, 0.3306, 0.3485
Android (android.graphics.Color)	4285294687 (0xFF6C685F)
YUV	104.1700, -4.5208, 3.3589
Hunter-Lab	37.3028, -2.1148, 5.7410

Details

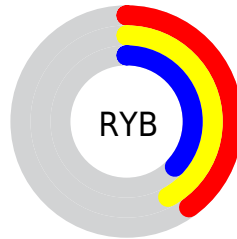
The XYZ color **13.2002, 13.9150, 12.8166** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.8879, 12.4390, 15.9619**, and the grayscale version is **13.2147, 13.9029, 15.1402**.

A 20% lighter version of the original color is **31.1303, 32.8580, 31.4895**, and **3.9420, 4.1401, 3.4971** is the 20% darker color. If you saturate the color by 10%, you get **12.4153, 13.0771, 10.2986**, and if you desaturate by 10%, it is **14.0671, 14.8077, 15.6982**.

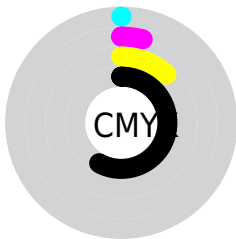
Distribution



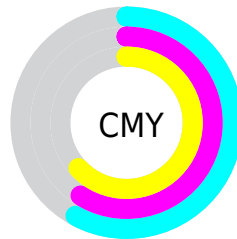
- Red (42%)
- Green (41%)
- Blue (37%)



- Red (40%)
- Yellow (42%)
- Blue (37%)



- Cyan (0%)
- Magenta (4%)
- Yellow (12%)
- Black (58%)



- Cyan (58%)
- Magenta (59%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2002, 13.9150, 12.8166 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 13.2002, 13.9150, 12.8166 by changing the saturation by 10% instead.

■ 13.2002, 13.9150,
12.8166

■ 13.2002, 13.9150,
12.8166

205.8085,
216.7014, 220.9053

■ 7.6445, 8.0616,
7.1731

■ 31.2612, 32.9381,
31.6602

■ 3.9182, 4.1344,
3.4905

■ 44.4973, 46.8766,
45.6975

■ 1.6560, 1.7490,
1.3502

■ 61.0242, 64.2789,
63.3698

■ 0.4285, 0.4551,
0.1024

■ 81.2073, 85.5294,
85.0956

■ 0.0000, 0.0000,
0.0000

105.4119,
111.0125, 111.2935

134.0034,

141.1126, 142.3821

167.3472,
176.2141, 178.7799

■ 13.2002, 13.9150,
12.8166

■ 13.2002, 13.9150,
12.8166

■ 12.4153, 13.0771,
10.2986

■ 14.0671, 14.8077,
15.6982

■ 11.7084, 12.2907,
8.1285

■ 15.0176, 15.7547,
18.9563

■ 11.0767, 11.5551,
6.2909

■ 16.0548, 16.7579,
22.6044

■ 10.5168, 10.8684,
4.7688

■ 17.1812, 17.8186,
26.6549

■ 10.0251, 10.2292,
3.5439

■ 18.3991, 18.9378,
31.1198

■ 9.5976, 9.6354,
2.5958

■ 19.7109, 20.1169,
36.0106

■ 9.2297, 9.0851,
1.9013

■ 21.1188, 21.3568,
41.3382

■ 8.9159, 8.5757,
1.4323

■ 22.6250, 22.6586,
47.1132

■ 8.6862, 8.1918,
1.1234

■ 24.2314, 24.0234,
53.3459

Harmonies

Analogous

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



13.6383, 13.9150, 13.0811



13.2002, 13.9150, 12.8166



12.7783, 13.9150, 13.1477

Triad

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



13.2002, 13.9150, 12.8166



12.5064, 13.9150, 16.4848



13.9988, 13.9150, 16.3508

Complementary

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



13.2002, 13.9150, 12.8166



11.8879, 12.4390, 15.9619

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.



13.6836, 13.9150, 17.3483



13.2002, 13.9150, 12.8166



12.8217, 13.9150, 17.4287

Square

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



13.2002, 13.9150, 12.8166



12.3833, 13.9150, 15.2245



13.2514, 13.9150, 17.7531



14.1056, 13.9150, 15.0779

Rectangle

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



13.2002, 13.9150, 12.8166



12.5612, 13.9150, 13.6731



13.2514, 13.9150, 17.7531



13.9134, 13.9150, 16.7319

Sweetspot

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



13.2006, 13.9156, 12.8169



24.3692, 25.6643, 26.4583



12.5344, 12.2758, 13.5426



5.8753, 6.1883, 6.3265



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



13.2006, 13.9156, 12.8169



22.8395, 24.0771, 21.4092



13.3266, 14.5922, 12.9408



3.2585, 3.4342, 3.3086



10.3360, 9.7217, 1.3317



51.8718, 47.9472, 6.5208

Inverse Universe

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



11.8879, 12.4390, 15.9619



20.1280, 21.0273, 27.9055



11.7699, 11.8298, 15.8505



3.0173, 3.1630, 3.8864



3.8616, 2.5574, 17.2124



18.9859, 11.6503, 87.4743

Previews

White Background



This preview shows how the XYZ color 13.2002, 13.9150, 12.8166 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 13.2002, 13.9150, 12.8166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

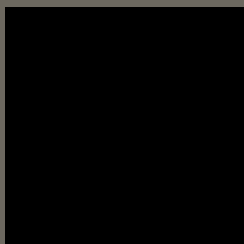
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

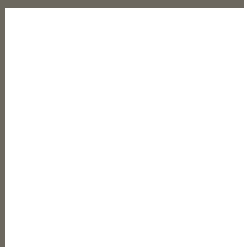
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.2002, 13.9150, 12.8166

Background



This preview shows how black text looks on a background with the XYZ color 13.2002, 13.9150, 12.8166.



This preview shows how white text looks on a background with the XYZ color 13.2002, 13.9150,

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

13.2002, 13.9150, 12.8166

Protanopia

13.2002, 13.9150, 12.8166

Deuteranopia

14.2362, 14.0034, 13.0189



Tritanopia

13.9963, 13.9435, 16.7055

Trichromacy



Original Color

13.2002, 13.9150, 12.8166

Protanomaly

13.2002, 13.9150, 12.8166

Deuteranomaly

13.8021, 13.9247, 13.0266

Tritanomaly

13.7067, 13.9716, 15.3390

Monochromacy



Original Color

13.2002, 13.9150, 12.8166

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.1250, 13.8435, 14.2922

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2002, 13.9150, 12.8166 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(108, 104, 95) looks like.

```
.text, #text, p{  
    color:rgb(108, 104, 95)  
}
```

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(108, 104, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 104, 95) }
```

Border

The CSS property to change the border of an element to XYZ 13.2002, 13.9150, 12.8166 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(108, 104, 95) }
```


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

```
.border{ border-color:rgb(108, 104, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 104, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 104, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 104, 95);  
box-shadow:4px 4px 4px 4px rgb(108, 104,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2002, 13.9150, 12.8166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 104, 95) }
```

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

```
.background{ background-color: rgb(108,  
104, 95) }
```

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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