

Converting Colors

XYZ(13.2256, 12.8297, 13.7830)

Have a look what the booklet for
XYZ(13.2256, 12.8297, 13.7830)
contains.

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Color

**XYZ(13.1652, 12.7306,
13.8200)**

Conversions

Conversions Part 1

Format	Color
Hex	706064
RGB	112, 96, 100
RGB Percent	44%, 38%, 39%
CMY	0.5608, 0.6235, 0.6078
CMYK	0.00, 0.14, 0.11, 0.56
HSL	345°, 8%, 41%
HSV	345°, 14%, 44%
XYZ	13.1652, 12.7306, 13.8200
YIQ	101.2400, 8.2520, 4.6360

Conversions

Conversions Part 2

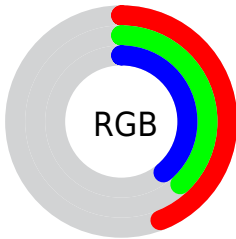
Format	Color
R_{YB}	112, 96, 100
Decimal	7364708
CIE _{Lab}	42.35, 7.17, 0.10
CIE _{LCh}	42, 7.175, 0.802
Yxy	12.7306, 0.3315, 0.3205
Android (android.graphics.Color)	4285554788 (0xFF706064)
YUV	101.2400, -0.6113, 9.4365
Hunter-Lab	35.6800, 3.4230, 2.0111

Details

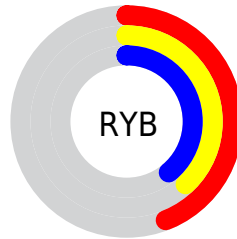
The XYZ color **13.1652, 12.7306, 13.8200** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.3253, 15.1581, 16.4115**, and the grayscale version is **12.4320, 13.0794, 14.2435**.

A 20% lighter version of the original color is **31.3295, 30.9943, 33.6094**, and **3.8976, 3.6282, 3.8631** is the 20% darker color. If you saturate the color by 10%, you get **11.8294, 10.6765, 11.4710**, and if you desaturate by 10%, it is **14.6892, 15.0938, 16.4390**.

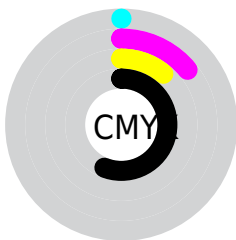
Distribution



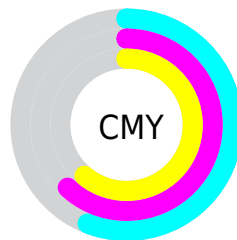
- Red (44%)
- Green (38%)
- Blue (39%)



- Red (44%)
- Yellow (38%)
- Blue (39%)



- Cyan (0%)
- Magenta (14%)
- Yellow (11%)
- Black (56%)



- Cyan (56%)
- Magenta (62%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1652, 12.7306, 13.8200 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 13.1652, 12.7306, 13.8200 by changing the saturation by 10% instead.

■ 13.1652, 12.7306,
13.8200

■ 13.1652, 12.7306,
13.8200

205.5900,
209.1838, 227.4975

■ 7.6202, 7.2433,
7.8583

■ 31.1990, 30.8189,
33.4818

■ 3.9026, 3.6147,
3.9179

■ 44.4186, 44.1888,
48.0190

■ 1.6472, 1.4605,
1.5804

■ 60.9270, 60.9549,
66.2517

■ 0.4229, 0.2607,
0.2768

■ 81.0897, 81.5017,
88.5985

■ 0.0000, 0.0000,
0.0000

105.2720,
106.2136, 115.4780

133.8392,

135.4750, 147.3086

167.1568,
169.6703, 184.5089

■ 13.1652, 12.7306,
13.8200

■ 13.1652, 12.7306,
13.8200

■ 11.8294, 10.6765,
11.4710

■ 14.6892, 15.0938,
16.4390

■ 10.6735, 8.9171,
9.3825

■ 16.4074, 17.7765,
19.3354

■ 9.6898, 7.4392,
7.5456

■ 18.3268, 20.7905,
22.5175

■ 8.8699, 6.2282,
5.9505

■ 20.4536, 24.1467,
25.9928

■ 8.2046, 5.2680,
4.5868

■ 22.7938, 27.8554,
29.7688

7.6837, 4.5407,
3.4434

25.3533, 31.9265,
33.8525

7.2957, 4.0261,
2.5082

28.1375, 36.3694,
38.2506

7.0232, 3.6924,
1.7662

31.1519, 41.1934,
42.9699

6.8916, 3.5286,
1.4158

34.4017, 46.4071,
48.0166

Harmonies

Analogous

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



13.0266, 12.7306, 15.3590



13.1652, 12.7306, 13.8200



13.0114, 12.7306, 12.3977

Triad

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



13.1652, 12.7306, 13.8200



11.5775, 12.7306, 11.4672



11.6019, 12.7306, 16.6146

Complementary

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



13.1652, 12.7306, 13.8200



13.3253, 15.1581, 16.4115

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.



11.2323, 12.7306, 15.4361



13.1652, 12.7306, 13.8200



11.2185, 12.7306, 12.4646

Square

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



13.1652, 12.7306, 13.8200



12.0856, 12.7306, 11.1027



11.0940, 12.7306, 13.9030



12.1145, 12.7306, 17.0430

Rectangle

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



13.1652, 12.7306, 13.8200



12.7663, 12.7306, 11.6880



11.0940, 12.7306, 13.9030



11.4574, 12.7306, 16.2889

Sweetspot

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



13.1656, 12.7312, 13.8203



25.8562, 26.5952, 28.9656



13.2922, 12.7243, 17.0848



6.1692, 6.3230, 6.8863



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.



13.1656, 12.7312, 13.8203



22.3514, 21.1666, 22.9233



13.3510, 13.4041, 12.9506



3.4155, 3.4139, 3.7150



7.9587, 4.0758, 1.5923



39.3458, 20.1836, 6.3530

Inverse Universe

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



13.1656, 12.7312, 13.8203



22.3514, 21.1666, 22.9233



13.1115, 14.3821, 17.4143



3.4155, 3.4139, 3.7150



7.9587, 4.0758, 1.5923



39.3458, 20.1836, 6.3530

Previews

White Background



This preview shows how the XYZ color 13.1652, 12.7306, 13.8200 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 13.1652, 12.7306, 13.8200 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 13.1652, 12.7306, 13.8200

Background



This preview shows how black text looks on a background with the XYZ color 13.1652, 12.7306, 13.8200.



This preview shows how white text looks on a background with the XYZ color 13.1652, 12.7306,

13.8200.

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

13.1652, 12.7306, 13.8200

Protanopia

12.3223, 12.8404, 14.3994

Deuteranopia

13.0054, 12.7845, 13.8388



Tritanopia

13.3131, 12.7898, 14.5990

Trichromacy



Original Color

13.1652, 12.7306, 13.8200

Protanomaly

12.6365, 12.8665, 14.1294

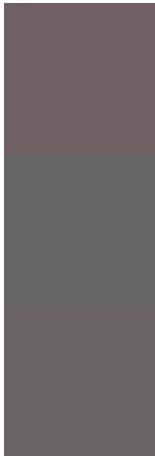
Deuteranomaly

13.1305, 12.8490, 13.8446

Tritanomaly

13.2632, 12.7698, 14.3361

Monochromacy



Original Color

13.1652, 12.7306, 13.8200

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.6365, 12.8665, 14.1294

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1652, 12.7306, 13.8200 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(112, 96, 100)` looks like.

```
.text, #text, p{  
    color:rgb(112, 96, 100)  
}
```

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(112, 96, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 96, 100) }
```

Border

The CSS property to change the border of an element to XYZ 13.1652, 12.7306, 13.8200 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(112, 96, 100) }
```


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

```
.border{ border-color:rgb(112, 96, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 96, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 96, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 96, 100);  
box-shadow:4px 4px 4px 4px rgb(112, 96,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1652, 12.7306, 13.8200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 96, 100) }
```

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

```
.background{ background-color: rgb(112, 96,  
100) }
```

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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