

Converting Colors

XYZ(13.0812, 13.6208, 15.3091)

Have a look what the booklet for
XYZ(13.0812, 13.6208, 15.3091)
contains.

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Color

**XYZ(13.1090, 13.6635,
15.3110)**

Conversions

Conversions Part 1

Format	Color
Hex	686769
RGB	104, 103, 105
RGB Percent	41%, 40%, 41%
CMY	0.5922, 0.5961, 0.5882
CMYK	0.01, 0.02, 0.00, 0.59
HSL	270°, 1%, 41%
HSV	270°, 2%, 41%
XYZ	13.1090, 13.6635, 15.3110
YIQ	103.5270, -0.0460, 0.8340

Conversions

Conversions Part 2

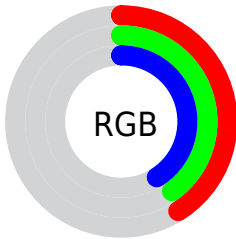
Format	Color
R_{YB}	104, 103, 105
Decimal	6842217
CIE _{Lab}	43.75, 0.81, -0.99
CIE _{LCh}	44, 1.278, 309.091
Yxy	13.6635, 0.3115, 0.3247
Android (android.graphics.Color)	4285032297 (0xFF686769)
YUV	103.5270, 0.7262, 0.4148
Hunter-Lab	36.9642, -1.3839, 1.3163

Details

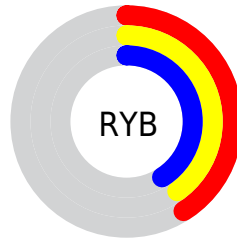
The XYZ color **13.1090, 13.6635, 15.3110** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.2092, 14.0258, 14.8437**, and the grayscale version is **13.0304, 13.7090, 14.9291**.

A 20% lighter version of the original color is **31.0739, 32.4801, 36.0840**, and **3.8652, 4.0037, 4.5721** is the 20% darker color. If you saturate the color by 10%, you get **11.5386, 11.4000, 14.9571**, and if you desaturate by 10%, it is **14.8493, 16.2101, 15.7110**.

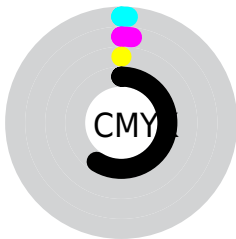
Distribution



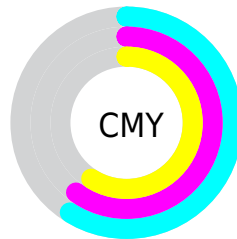
- Red (41%)
- Green (40%)
- Blue (41%)



- Red (41%)
- Yellow (40%)
- Blue (41%)



- Cyan (1%)
- Magenta (2%)
- Yellow (0%)
- Black (59%)



- Cyan (59%)
- Magenta (60%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1090, 13.6635, 15.3110 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 13.1090, 13.6635, 15.3110 by changing the saturation by 10% instead.

■ 13.1090, 13.6635,
15.3110

■ 13.1090, 13.6635,
15.3110

205.2386,
215.1273, 236.9462

■ 7.5812, 7.8870,
8.8889

■ 31.0991, 32.4908,
36.1478

■ 3.8777, 4.0227,
4.5730

■ 44.2921, 46.3103,
51.3997

■ 1.6332, 1.6863,
1.9446

■ 60.7709, 63.5797,
70.4318

■ 0.4139, 0.4148,
0.5209

■ 80.9007, 84.6832,
93.6628

■ 0.0000, 0.0000,
0.0000

105.0471,
110.0053, 121.5112

133.5753,

139.9305, 154.3956

166.8507,
174.8430, 192.7344

■ 13.1090, 13.6635,
15.3110

■ 13.1090, 13.6635,
15.3110

■ 11.5386, 11.4000,
14.9571

■ 14.8493, 16.2101,
15.7110

■ 10.1316, 9.4079,
14.6467

■ 16.7637, 19.0476,
16.1578

■ 8.8823, 7.6770,
14.3785

■ 18.8576, 22.1857,
16.6532

■ 7.7846, 6.1960,
14.1505

■ 21.1357, 25.6330,
17.1985

■ 6.8318, 4.9527,
13.9607

■ 23.6028, 29.3978,
17.7951

■ 6.0168, 3.9338,
13.8070

■ 26.2632, 33.4882,
18.4445

■ 5.3316, 3.1246,
13.6869

■ 29.1212, 37.9118,
19.1477

■ 4.7673, 2.5088,
13.5978

■ 32.1811, 42.6761,
19.9060

■ 4.3132, 2.0660,
13.5362

■ 35.4467, 47.7884,
20.7207

Harmonies

Analogous

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



13.0173, 13.6635, 15.4305



13.1090, 13.6635, 15.3110



13.1681, 13.6635, 15.0757

Triad

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



13.1090, 13.6635, 15.3110



13.0558, 13.6635, 14.3661



12.7968, 13.6635, 14.9649

Complementary

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



13.1090, 13.6635, 15.3110



13.2092, 14.0258, 14.8437

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.



12.8070, 13.6635, 14.6806



13.1090, 13.6635, 15.3110



12.9562, 13.6635, 14.3373

Square

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



13.1090, 13.6635, 15.3110



13.1373, 13.6635, 14.5309



12.8653, 13.6635, 14.4517



12.8373, 13.6635, 15.2290

Rectangle

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



13.1090, 13.6635, 15.3110



13.1810, 13.6635, 14.8860



12.8653, 13.6635, 14.4517



12.7945, 13.6635, 14.8684

Sweetspot

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



13.1094, 13.6641, 15.3113



23.7338, 24.8450, 27.4757



13.0975, 13.8113, 15.3403



5.5657, 5.8288, 6.4376



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



13.1094, 13.6641, 15.3113



23.4279, 24.4004, 27.4060



13.2222, 13.7223, 15.3166



3.3738, 3.5184, 3.9362



5.0088, 2.2092, 17.0847



24.5200, 10.7401, 87.0069

Inverse Universe

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



13.1751, 13.7039, 15.0481



23.5551, 24.4774, 26.8966



13.0976, 13.9683, 14.8385



3.3897, 3.5280, 3.8723



8.1581, 4.1153, 4.4609



41.1302, 20.7940, 20.4200

Previews

White Background



This preview shows how the XYZ color 13.1090, 13.6635, 15.3110 looks on a white background.

Color Contrast Check

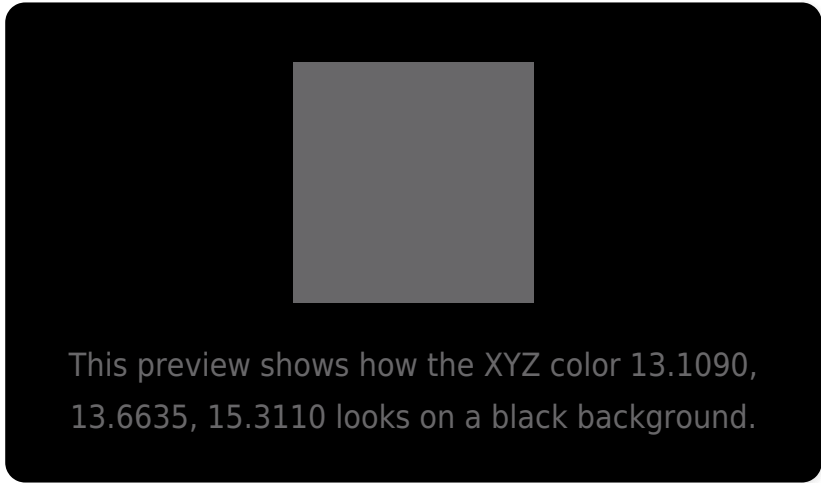
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

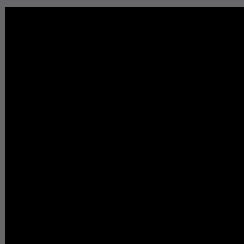
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

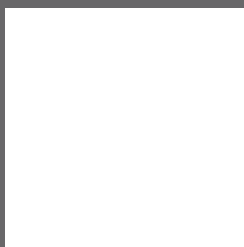
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.1090, 13.6635, 15.3110

Background



This preview shows how black text looks on a background with the XYZ color 13.1090, 13.6635, 15.3110.



This preview shows how white text looks on a background with the XYZ color 13.1090, 13.6635,

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

13.1090, 13.6635, 15.3110

Protanopia

13.2257, 13.7237, 15.3165

Deuteranopia

13.8408, 13.5997, 15.5312



Tritanopia

13.3915, 13.6318, 16.6772

Trichromacy

**Original Color**

13.1090, 13.6635, 15.3110

Protanomaly

13.2257, 13.7237, 15.3165

Deuteranomaly

13.5619, 13.5992, 15.5458

Tritanomaly

13.2838, 13.5887, 16.1101

Monochromacy

**Original Color**

13.1090, 13.6635, 15.3110

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.1579, 13.8432, 15.0752

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1090, 13.6635, 15.3110 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(104, 103, 105)` looks like.

```
.text, #text, p{  
    color:rgb(104, 103, 105)  
}
```

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(104, 103, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 103, 105) }
```

Border

The CSS property to change the border of an element to XYZ 13.1090, 13.6635, 15.3110 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(104, 103, 105) }
```


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

```
.border{ border-color:rgb(104, 103, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 103, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 103, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 103, 105);  
box-shadow:4px 4px 4px 4px rgb(104, 103,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1090, 13.6635, 15.3110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 103, 105) }
```

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

```
.background{ background-color: rgb(104,  
103, 105) }
```

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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