

Converting Colors

XYZ(13.1489, 13.8382, 17.1324)

Have a look what the booklet for
XYZ(13.1489, 13.8382, 17.1324)
contains.

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Color

**XYZ(13.0751, 13.7577,
17.0053)**

Conversions

Conversions Part 1

Format	Color
Hex	64686F
RGB	100, 104, 111
RGB Percent	39%, 41%, 44%
CMY	0.6078, 0.5921, 0.5647
CMYK	0.10, 0.06, 0.00, 0.56
HSL	218°, 5%, 41%
HSV	218°, 10%, 44%
XYZ	13.0751, 13.7577, 17.0053
YIQ	103.6020, -4.6310, 1.3290

Conversions

Conversions Part 2

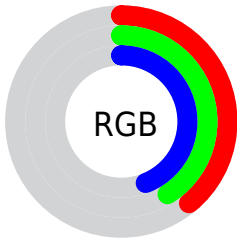
Format	Color
R_{YB}	100, 103, 111
Decimal	6580335
CIE _{Lab}	43.88, -0.01, -4.46
CIE _{LCh}	44, 4.458, 269.900
Yxy	13.7577, 0.2983, 0.3138
Android (android.graphics.Color)	4284770415 (0xFF64686F)
YUV	103.6020, 3.6472, -3.1590
Hunter-Lab	37.0914, -1.9868, -1.2188

Details

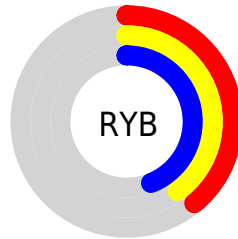
The XYZ color **13.0751, 13.7577, 17.0053** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.1135, 14.8148, 14.1725**, and the grayscale version is **13.0437, 13.7230, 14.9443**.

A 20% lighter version of the original color is **31.0947, 32.6663, 39.3167**, and **3.8285, 4.0420, 5.2810** is the 20% darker color. If you saturate the color by 10%, you get **11.2488, 11.8052, 16.7249**, and if you desaturate by 10%, it is **15.1290, 15.9167, 17.3140**.

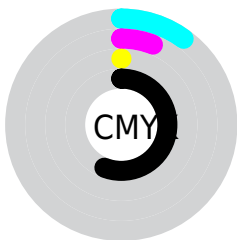
Distribution



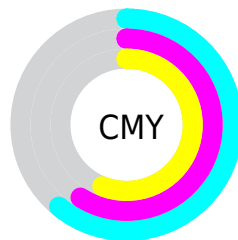
- Red (39%)
- Green (41%)
- Blue (44%)



- Red (39%)
- Yellow (40%)
- Blue (44%)



- Cyan (10%)
- Magenta (6%)
- Yellow (0%)
- Black (56%)



- Cyan (61%)
- Magenta (59%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0751, 13.7577, 17.0053 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 13.0751, 13.7577, 17.0053 by changing the saturation by 10% instead.

■ 13.0751, 13.7577,
17.0053

■ 13.0751, 13.7577,
17.0053

205.0263,
215.7182, 247.2479

■ 7.5576, 7.9523,
10.0763

■ 31.0388, 32.6585,
39.1257

■ 3.8626, 4.0645,
5.3433

■ 44.2158, 46.5227,
55.1541

■ 1.6247, 1.7097,
2.3878

■ 60.6766, 63.8420,
75.0527

■ 0.4084, 0.4299,
0.7798

■ 80.7866, 85.0007,
99.2401

■ 0.0000, 0.0000,
0.0000

104.9113,
110.3833, 128.1348

133.4159,

140.3742, 162.1553

166.6658,
175.3577, 201.7201

■ 13.0751, 13.7577,
17.0053

■ 13.0751, 13.7577,
17.0053

■ 11.2488, 11.8052,
16.7249

■ 15.1290, 15.9167,
17.3140

■ 9.6409, 10.0510,
16.4711

■ 17.4171, 18.2866,
17.6508

■ 8.2429, 8.4891,
16.2433

■ 19.9472, 20.8736,
18.0168

■ 7.0456, 7.1123,
16.0406

■ 22.7262, 23.6835,
18.4127

■ 6.0390, 5.9131,
15.8622

■ 25.7610, 26.7214,
18.8391

■ 5.2121, 4.8831,
15.7070

■ 29.0580, 29.9927,
19.2968

■ 4.5527, 4.0135,
15.5739

■ 32.6234, 33.5024,
19.7863

■ 4.0470, 3.2942,
15.4617

■ 36.4633, 37.2551,
20.3083

■ 3.6445, 2.6963,
15.3675

■ 40.5835, 41.2558,
20.8633

Harmonies

Analogous

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



12.7394, 13.7577, 16.7221



13.0751, 13.7577, 17.0053



13.4170, 13.7577, 16.7258

Triad

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



13.0751, 13.7577, 17.0053



13.6725, 13.7577, 14.0331



12.4988, 13.7577, 14.0275

Complementary

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



13.0751, 13.7577, 17.0053



14.1135, 14.8148, 14.1725

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.



12.7414, 13.7577, 13.3598



13.0751, 13.7577, 17.0053



13.4190, 13.7577, 13.3629

Square

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



13.0751, 13.7577, 17.0053



13.7656, 13.7577, 14.9832



13.0775, 13.7577, 13.1219



12.4103, 13.7577, 14.9764

Rectangle

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



13.0751, 13.7577, 17.0053



13.6014, 13.7577, 16.2648



13.0775, 13.7577, 13.1219



12.5648, 13.7577, 13.7643

Sweetspot

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



13.0755, 13.7583, 17.0056



25.8795, 27.2348, 30.8226



13.5923, 15.1393, 16.1067



6.1541, 6.4766, 7.3955



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.



13.0755, 13.7583, 17.0056



22.5863, 23.7576, 30.3250



12.8459, 13.0560, 16.8822



3.3078, 3.4808, 4.2517



4.2671, 3.1244, 18.0998



20.4979, 14.0477, 89.9103

Inverse Universe

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



13.6117, 13.4936, 14.9846



23.7668, 23.1943, 25.8714



14.3574, 15.5743, 14.3062



3.4300, 3.4197, 3.7912



8.1721, 4.1612, 2.7165



40.3264, 20.5759, 11.5168

Previews

White Background



This preview shows how the XYZ color 13.0751, 13.7577, 17.0053 looks on a white background.

Color Contrast Check

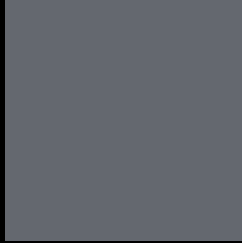
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.0751, 13.7577, 17.0053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

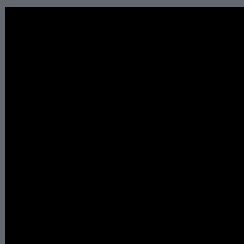
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

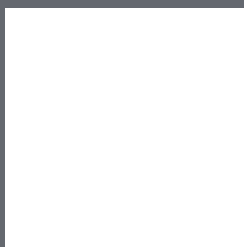
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.0751, 13.7577, 17.0053

Background



This preview shows how black text looks on a background with the XYZ color 13.0751, 13.7577, 17.0053.



This preview shows how white text looks on a background with the XYZ color 13.0751, 13.7577,

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

13.0751, 13.7577, 17.0053

Protanopia

13.3736, 13.7693, 16.7047

Deuteranopia

14.0087, 13.7922, 17.2531



Tritanopia

13.1305, 13.7798, 17.2970

Trichromacy

**Original Color**

13.0751, 13.7577, 17.0053

Protanomaly

13.2582, 13.7098, 16.6993

Deuteranomaly

13.6199, 13.7368, 17.2629

Tritanomaly

13.1305, 13.7798, 17.2970

Monochromacy

**Original Color**

13.0751, 13.7577, 17.0053

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.1977, 13.8457, 15.8868

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0751, 13.7577, 17.0053 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(100, 104, 111)` looks like.

```
.text, #text, p{  
    color:rgb(100, 104, 111)  
}
```

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(100, 104, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 104, 111) }
```

Border

The CSS property to change the border of an element to XYZ 13.0751, 13.7577, 17.0053 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(100, 104, 111) }
```


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

```
.border{ border-color:rgb(100, 104, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 104, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 104, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 104, 111);  
box-shadow:4px 4px 4px 4px rgb(100, 104,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0751, 13.7577, 17.0053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 104, 111) }
```

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

```
.background{ background-color: rgb(100,  
104, 111) }
```

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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