

Converting Colors

XYZ(13.2533, 13.2339, 15.7914)

Have a look what the booklet for
XYZ(13.2533, 13.2339, 15.7914)
contains.

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Color

**XYZ(13.2744, 13.3017,
15.7778)**

Conversions

Conversions Part 1

Format	Color
Hex	6B646B
RGB	107, 100, 107
RGB Percent	42%, 39%, 42%
CMY	0.5804, 0.6078, 0.5804
CMYK	0.00, 0.07, 0.00, 0.58
HSL	300°, 3%, 41%
HSV	300°, 7%, 42%
XYZ	13.2744, 13.3017, 15.7778
YIQ	102.8910, 1.9250, 3.6610

Conversions

Conversions Part 2

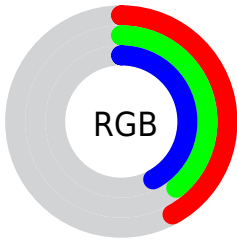
Format	Color
RYB	107, 100, 107
Decimal	7038059
CIELab	43.21, 4.18, -2.96
CIELCh	43, 5.120, 324.745
Yxy	13.3017, 0.3134, 0.3141
Android (android.graphics.Color)	4285228139 (0xFF6B646B)
YUV	102.8910, 2.0257, 3.6036
Hunter-Lab	36.4715, 1.1429, -0.1192

Details

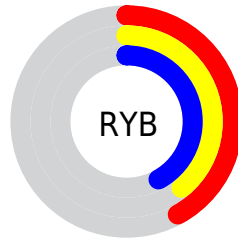
The XYZ color **13.2744, 13.3017, 15.7778** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.8141, 14.1452, 14.1123**, and the grayscale version is **12.8581, 13.5277, 14.7317**.

A 20% lighter version of the original color is **31.3387, 31.8709, 36.8477**, and **3.9522, 3.8331, 4.8065** is the 20% darker color. If you saturate the color by 10%, you get **12.3149, 11.3826, 15.4581**, and if you desaturate by 10%, it is **14.3695, 15.4916, 16.1430**.

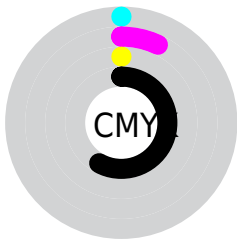
Distribution



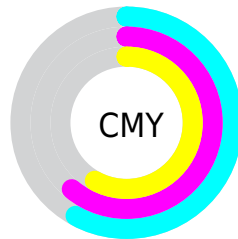
- Red (42%)
- Green (39%)
- Blue (42%)



- Red (42%)
- Yellow (39%)
- Blue (42%)



- Cyan (0%)
- Magenta (7%)
- Yellow (0%)
- Black (58%)



- Cyan (58%)
- Magenta (61%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2744, 13.3017, 15.7778 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 13.2744, 13.3017, 15.7778 by changing the saturation by 10% instead.

■ 13.2744, 13.3017,
15.7778

■ 13.2744, 13.3017,
15.7778

206.2711,
212.8423, 239.8277

■ 7.6961, 7.6366,
9.2144

■ 31.3930, 31.8447,
36.9734

■ 3.9513, 3.8633,
4.7826

■ 44.6640, 45.4915,
52.4427

■ 1.6746, 1.5974,
2.0638

■ 61.2300, 62.5676,
71.7178

■ 0.4403, 0.3558,
0.5941

■ 81.4562, 83.4575,
95.2171

■ 0.0000, 0.0000,
0.0000

105.7081,
108.5455, 123.3592

134.3509,

138.2160, 156.5627

167.7502,
172.8535, 195.2460

■ 13.2744, 13.3017,
15.7778

■ 13.2744, 13.3017,
15.7778

■ 12.3149, 11.3826,
15.4581

■ 14.3695, 15.4916,
16.1430

■ 11.4846, 9.7221,
15.1814

■ 15.6040, 17.9604,
16.5544

■ 10.7783, 8.3097,
14.9460

■ 16.9829, 20.7180,
17.0140

■ 10.1902, 7.1335,
14.7500

■ 18.5106, 23.7734,
17.5233

■ 9.7136, 6.1806,
14.5912

■ 20.1916, 27.1352,
18.0836

■ 9.3417, 5.4369,
14.4672

■ 22.0297, 30.8114,
18.6963

■ 9.0666, 4.8867,
14.3755

■ 24.0291, 34.8101,
19.3627

■ 8.8792, 4.5120,
14.3131

■ 26.1935, 39.1387,
20.0841

■ 8.7568, 4.2673,
14.2723

■ 28.5266, 43.8048,
20.8618

Harmonies

Analogous

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



12.9640, 13.3017, 16.5537



13.2744, 13.3017, 15.7778



13.4157, 13.3017, 14.6838

Triad

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



13.2744, 13.3017, 15.7778



12.7127, 13.3017, 12.4200



11.9644, 13.3017, 15.4147

Complementary

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



13.2744, 13.3017, 15.7778



12.8141, 14.1452, 14.1123

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.



11.9003, 13.3017, 14.2846



13.2744, 13.3017, 15.7778



12.3271, 13.3017, 12.5931

Square

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



13.2744, 13.3017, 15.7778



13.0871, 13.3017, 12.7758



12.0317, 13.3017, 13.2616



12.2088, 13.3017, 16.3365

Rectangle

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



13.2744, 13.3017, 15.7778



13.3930, 13.3017, 13.9357



12.0317, 13.3017, 13.2616



11.9213, 13.3017, 15.0450

Sweetspot

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



13.2748, 13.3023, 15.7781



24.6185, 25.5161, 28.5353



12.4784, 12.9083, 15.7440



5.9666, 6.1917, 6.9094



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.



13.2748, 13.3023, 15.7781



23.4636, 23.2064, 28.1503



13.1003, 13.2325, 14.8590



3.2175, 3.1639, 3.8760



10.6040, 5.0936, 17.3465



54.0317, 25.9540, 88.3880

Inverse Universe

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



12.9214, 13.1609, 13.9167



22.6761, 22.8914, 24.0029



12.9812, 14.2121, 14.9926



3.0998, 3.1168, 3.2557



7.3765, 3.8027, 0.3454



37.5865, 19.3766, 1.7595

Previews

White Background



This preview shows how the XYZ color 13.2744, 13.3017, 15.7778 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 13.2744, 13.3017, 15.7778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

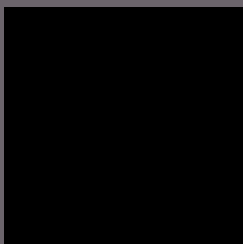
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

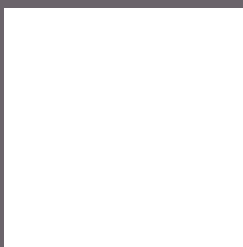
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.2744, 13.3017, 15.7778

Background



This preview shows how black text looks on a background with the XYZ color 13.2744, 13.3017, 15.7778.



This preview shows how white text looks on a background with the XYZ color 13.2744, 13.3017,

15.7778.

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

13.2744, 13.3017, 15.7778

Protanopia

12.8399, 13.2149, 16.0613

Deuteranopia

13.5461, 13.3002, 15.7632



Tritanopia

13.3274, 13.3229, 16.0565

Trichromacy

**Original Color**

13.2744, 13.3017, 15.7778

Protanomaly

13.0694, 13.3331, 16.0721

Deuteranomaly

13.4224, 13.2364, 15.7574

Tritanomaly

13.3274, 13.3229, 16.0565

Monochromacy

**Original Color**

13.2744, 13.3017, 15.7778

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.9590, 13.4453, 15.0089

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2744, 13.3017, 15.7778 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(107, 100, 107)` looks like.

```
.text, #text, p{  
    color:rgb(107, 100, 107)  
}
```

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(107, 100, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 100, 107) }
```

Border

The CSS property to change the border of an element to XYZ 13.2744, 13.3017, 15.7778 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(107, 100, 107) }
```


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

```
.border{ border-color:rgb(107, 100, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 100, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 100, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 100, 107);  
box-shadow:4px 4px 4px 4px rgb(107, 100,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2744, 13.3017, 15.7778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 100, 107) }
```

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

```
.background{ background-color: rgb(107,  
100, 107) }
```

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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