

Converting Colors

XYZ(12.7678, 13.8382, 15.0518)

Have a look what the booklet for
XYZ(12.7678, 13.8382, 15.0518)
contains.

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Color

**XYZ(12.6959, 13.7553,
15.0826)**

Conversions

Conversions Part 1

Format	Color
Hex	636968
RGB	99, 105, 104
RGB Percent	39%, 41%, 41%
CMY	0.6118, 0.5882, 0.5922
CMYK	0.06, 0.00, 0.01, 0.59
HSL	170°, 3%, 40%
HSV	170°, 6%, 41%
XYZ	12.6959, 13.7553, 15.0826
YIQ	103.0920, -3.2550, -1.5830

Conversions

Conversions Part 2

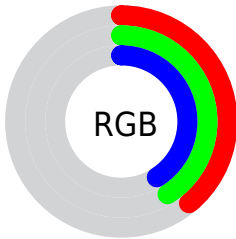
Format	Color
R_{YB}	99, 102, 105
Decimal	6515048
CIE _{Lab}	43.88, -2.51, -0.24
CIE _{LCh}	44, 2.524, 185.494
Yxy	13.7553, 0.3057, 0.3312
Android (android.graphics.Color)	4284705128 (0xFF636968)
YUV	103.0920, 0.4476, -3.5887
Hunter-Lab	37.0881, -3.8007, 1.8503

Details

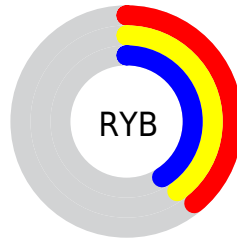
The XYZ color **12.6959, 13.7553, 15.0826** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.5883, 12.8475, 13.8737**, and the grayscale version is **12.9163, 13.5889, 14.7983**.

A 20% lighter version of the original color is **30.3825, 32.6275, 35.7068**, and **3.7198, 4.0784, 4.4621** is the 20% darker color. If you saturate the color by 10%, you get **11.5345, 13.1672, 14.5686**, and if you desaturate by 10%, it is **14.0091, 14.4223, 15.6140**.

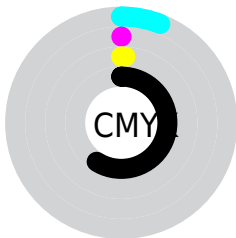
Distribution



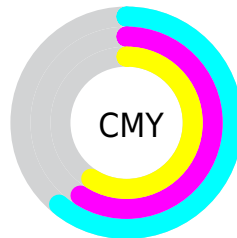
- Red (39%)
- Green (41%)
- Blue (41%)



- Red (39%)
- Yellow (40%)
- Blue (41%)



- Cyan (6%)
- Magenta (0%)
- Yellow (1%)
- Black (59%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6959, 13.7553, 15.0826 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 12.6959, 13.7553, 15.0826 by changing the saturation by 10% instead.

■ 12.6959, 13.7553,
15.0826

■ 12.6959, 13.7553,
15.0826

202.6367,
215.7032, 235.5236

■ 7.2950, 7.9507,
8.7301

■ 30.3623, 32.6542,
35.7424

■ 3.6953, 4.0634,
4.4712

■ 43.3586, 46.5173,
50.8867

■ 1.5312, 1.7091,
1.8872

■ 59.6174, 63.8353,
69.7988

■ 0.3469, 0.4295,
0.4846

■ 79.5041, 84.9926,
92.8971

■ 0.0000, 0.0000,
0.0000

103.3840,
110.3737, 120.6002

131.6225,

140.3629, 153.3266

164.5849,
175.3446, 191.4949

■ 12.6959, 13.7553,
15.0826

■ 12.6959, 13.7553,
15.0826

■ 11.5345, 13.1672,
14.5686

■ 14.0091, 14.4223,
15.6140

■ 10.5181, 12.6531,
14.0706

■ 15.4784, 15.1691,
16.1621

■ 9.6409, 12.2107,
13.5887

■ 17.1092, 15.9990,
16.7276

■ 8.8964, 11.8364,
13.1226

■ 18.9066, 16.9145,
17.3107

■ 8.2776, 11.5267,
12.6717

■ 20.8752, 17.9181,
17.9117

■ 7.7767, 11.2777,
12.2357

■ 23.0195, 19.0121,
18.5308

■ 7.3852, 11.0848,
11.8142

■ 25.3438, 20.1986,
19.1684

■ 7.0934, 10.9431,
11.4065

■ 27.8524, 21.4799,
19.8247

■ 6.8790, 10.8410,
11.0117

■ 30.5493, 22.8580,
20.4998

Harmonies

Analogous

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



12.7281, 13.7553, 14.5261



12.6959, 13.7553, 15.0826



12.7642, 13.7553, 15.6241

Triad

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



12.6959, 13.7553, 15.0826



13.2980, 13.7553, 15.8895



13.2337, 13.7553, 13.9997

Complementary

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



12.6959, 13.7553, 15.0826



12.5883, 12.8475, 13.8737

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.



13.3888, 13.7553, 14.3484



12.6959, 13.7553, 15.0826



13.4261, 13.7553, 15.4375

Square

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



12.6959, 13.7553, 15.0826



13.1108, 13.7553, 16.0975



13.4595, 13.7553, 14.8723



13.0373, 13.7553, 13.9101

Rectangle

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



12.6959, 13.7553, 15.0826



12.8579, 13.7553, 15.9008



13.4595, 13.7553, 14.8723



13.2925, 13.7553, 14.0901

Sweetspot

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



12.6963, 13.7559, 15.0829



23.5611, 25.0505, 27.3508



12.5708, 13.7197, 13.7903



5.5286, 5.8729, 6.4108



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.



12.6963, 13.7559, 15.0829



22.4072, 24.4651, 26.8677



12.5561, 13.3935, 15.2887



3.2166, 3.5118, 3.8566



8.5877, 13.6692, 13.6719



43.4835, 69.5405, 68.2181

Inverse Universe

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



12.5883, 12.8475, 13.8737



22.1659, 22.4348, 24.1652



12.7223, 13.1926, 13.6806



3.1821, 3.2209, 3.4695



7.4991, 3.8517, 0.9906



37.9843, 19.5357, 3.8541

Previews

White Background



This preview shows how the XYZ color 12.6959, 13.7553, 15.0826 looks on a white background.

Color Contrast Check

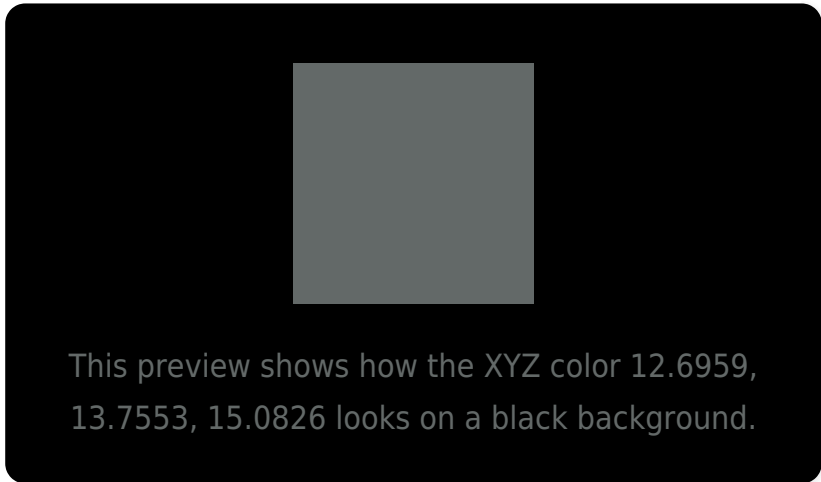
Large Text (above 18pt) WCAG AA ✓ Pass

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

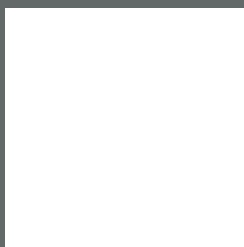
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.6959, 13.7553, 15.0826

Background



This preview shows how black text looks on a background with the XYZ color 12.6959, 13.7553, 15.0826.



This preview shows how white text looks on a background with the XYZ color 12.6959, 13.7553,

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

12.6959, 13.7553, 15.0826

Protanopia

13.2423, 13.7439, 14.7869

Deuteranopia

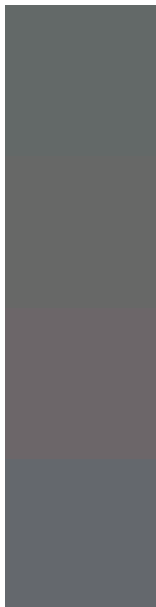
13.9170, 13.6450, 15.2648



Tritanopia

13.1305, 13.7798, 17.2970

Trichromacy



Original Color

12.6959, 13.7553, 15.0826

Protanomaly

12.9920, 13.7635, 14.8038

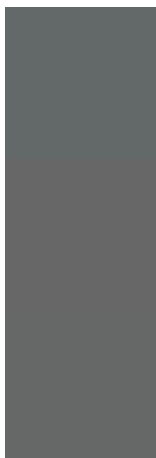
Deuteranomaly

13.4855, 13.7108, 15.3003

Tritanomaly

12.9662, 13.7141, 16.4317

Monochromacy



Original Color

12.6959, 13.7553, 15.0826

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.8780, 13.7047, 14.7985

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6959, 13.7553, 15.0826 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(99, 105, 104) looks like.

```
.text, #text, p{  
    color:rgb(99, 105, 104)  
}
```

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(99, 105, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 105, 104) }
```

Border

The CSS property to change the border of an element to XYZ 12.6959, 13.7553, 15.0826 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(99, 105, 104) }
```


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

```
.border{ border-color:rgb(99, 105, 104) }
```

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

Here you see how a box with a 4 pixel rgb(99, 105, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 105, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 105, 104);  
box-shadow:4px 4px 4px 4px rgb(99, 105,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6959, 13.7553, 15.0826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 105, 104) }
```

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

```
.background{ background-color: rgb(99, 105,  
104) }
```

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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