

Converting Colors

XYZ(12.7757, 15.3891, 17.2044)

Have a look what the booklet for
XYZ(12.7757, 15.3891, 17.2044)
contains.

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Color

**XYZ(12.7463, 15.3405,
17.3281)**

Conversions

Conversions Part 1

Format	Color
Hex	55736F
RGB	85, 115, 111
RGB Percent	33%, 45%, 44%
CMY	0.6667, 0.5490, 0.5647
CMYK	0.26, 0.00, 0.03, 0.55
HSL	172°, 15%, 39%
HSV	172°, 26%, 45%
XYZ	12.7463, 15.3405, 17.3281
YIQ	105.5740, -16.5960, -7.6040

Conversions

Conversions Part 2

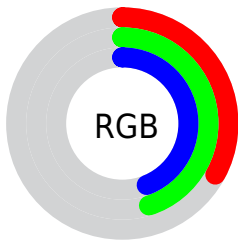
Format	Color
R_{YB}	85, 101, 115
Decimal	5600111
CIE Lab	46.10, -11.73, -1.32
CIE LCh	46, 11.805, 186.414
Yxy	15.3405, 0.2807, 0.3378
Android (android.graphics.Color)	4283790191 (0xFF55736F)
YUV	105.5740, 2.6750, -18.0434
Hunter-Lab	39.1670, -10.4520, 1.1860

Details

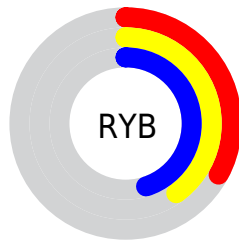
The XYZ color **12.7463, 15.3405, 17.3281** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.1225, 10.8635, 10.9098**, and the grayscale version is **13.5797, 14.2869, 15.5585**.

A 20% lighter version of the original color is **30.4212, 35.4327, 39.8862**, and **3.7037, 4.7853, 5.4311** is the 20% darker color. If you saturate the color by 10%, you get **11.7023, 14.8124, 16.8424**, and if you desaturate by 10%, it is **13.9623, 15.9579, 17.8301**.

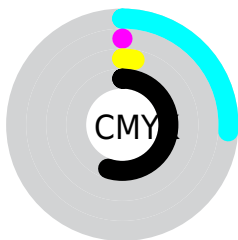
Distribution



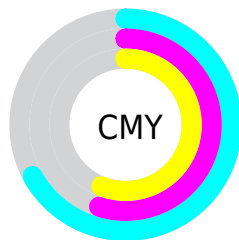
- Red (33%)
- Green (45%)
- Blue (44%)



- Red (33%)
- Yellow (40%)
- Blue (45%)



- Cyan (26%)
- Magenta (0%)
- Yellow (3%)
- Black (55%)



- Cyan (67%)
- Magenta (55%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7463, 15.3405, 17.3281 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 12.7463, 15.3405, 17.3281 by changing the saturation by 10% instead.

■ 12.7463, 15.3405,
17.3281

■ 12.7463, 15.3405,
17.3281

202.9559,
225.4180, 249.1637

■ 7.3299, 9.0587,
10.3043

■ 30.4525, 35.4494,
39.6874

■ 3.7174, 4.7795,
5.4929

■ 43.4729, 50.0453,
55.8599

■ 1.5435, 2.1185,
2.4755

■ 59.7587, 68.1814,
75.9191

■ 0.3552, 0.6750,
0.8271

■ 79.6752, 90.2420,
100.2835

■ 0.0000, 0.0000,
0.0000

■ 103.5879,
116.6116, 129.3716

131.8620,

147.6746, 163.6020

164.8629,
183.8152, 203.3932

■ 12.7463, 15.3405,
17.3281

■ 12.7463, 15.3405,
17.3281

■ 11.7023, 14.8124,
16.8424

■ 13.9623, 15.9579,
17.8301

■ 10.8209, 14.3675,
16.3715

■ 15.3568, 16.6668,
18.3477

■ 10.0935, 14.0019,
15.9153

■ 16.9372, 17.4713,
18.8817

■ 9.5106, 13.7105,
15.4733

■ 18.7104, 18.3751,
19.4324

■ 9.0612, 13.4879,
15.0450

■ 20.6828, 19.3814,
20.0002

■ 8.7329, 13.3275,
14.6298

■ 22.8606, 20.4934,
20.5853

■ 8.5003, 13.2163,
14.2263

■ 25.2496, 21.7141,
21.1881

■ 8.4150, 13.1756,
14.0708

■ 27.8555, 23.0465,
21.8088

■ 30.6837, 24.4932,
22.4479

Harmonies

Analogous

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



12.8831, 15.3405, 14.5885



12.7463, 15.3405, 17.3281



13.0826, 15.3405, 20.2025

Triad

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



12.7463, 15.3405, 17.3281



15.7562, 15.3405, 21.5559



15.3663, 15.3405, 12.1340

Complementary

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



12.7463, 15.3405, 17.3281



12.1225, 10.8635, 10.9098

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.



16.1890, 15.3405, 13.6333



12.7463, 15.3405, 17.3281



16.4212, 15.3405, 19.0129

Square

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



12.7463, 15.3405, 17.3281



14.7973, 15.3405, 22.8175



16.5831, 15.3405, 16.0935



14.3662, 15.3405, 11.7922

Rectangle

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



12.7463, 15.3405, 17.3281



13.5393, 15.3405, 21.7418



16.5831, 15.3405, 16.0935



15.6742, 15.3405, 12.5102

Sweetspot

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



12.7467, 15.3411, 17.3284



26.9406, 29.5602, 32.6545



11.9389, 15.0667, 10.8735



6.3491, 7.0124, 7.7619



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



12.7467, 15.3411, 17.3284



21.7168, 26.9089, 30.5267



11.8421, 13.1712, 18.1386



3.7633, 4.1473, 4.5875



9.6141, 15.0596, 16.0557



46.6225, 73.2963, 77.0404

Inverse Universe

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



12.1225, 10.8635, 10.9098



20.4081, 17.5158, 17.0662



12.8479, 12.5760, 10.3449



3.7020, 3.7081, 3.9576



8.1788, 4.2052, 0.8837



39.6677, 20.4172, 3.3137

Previews

White Background



This preview shows how the XYZ color 12.7463, 15.3405, 17.3281 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 12.7463, 15.3405, 17.3281 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

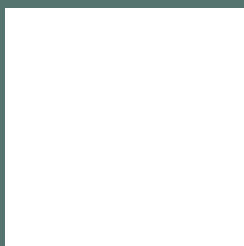
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.7463, 15.3405, 17.3281

Background



This preview shows how black text looks on a background with the XYZ color 12.7463, 15.3405, 17.3281.



This preview shows how white text looks on a background with the XYZ color 12.7463, 15.3405,

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

12.7463, 15.3405, 17.3281

Protanopia

14.5719, 15.1662, 16.0693

Deuteranopia

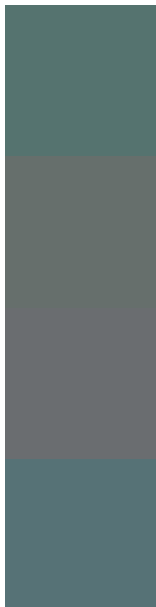
15.6059, 15.3519, 17.7635



Tritanopia

13.3485, 15.2416, 20.6507

Trichromacy



Original Color

12.7463, 15.3405, 17.3281

Protanomaly

13.8707, 15.2764, 16.4049

Deuteranomaly

14.3371, 15.1713, 17.5019

Tritanomaly

13.1251, 15.3211, 19.4050

Monochromacy



Original Color

12.7463, 15.3405, 17.3281

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.2124, 14.6167, 16.3123

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7463, 15.3405, 17.3281 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(85, 115, 111)` looks like.

```
.text, #text, p{  
    color:rgb(85, 115, 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(85, 115, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 115, 111) }
```

Border

The CSS property to change the border of an element to XYZ 12.7463, 15.3405, 17.3281 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(85, 115, 111) }
```


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

```
.border{ border-color:rgb(85, 115, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 115, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 115, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 115, 111);  
box-shadow:4px 4px 4px 4px rgb(85, 115,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7463, 15.3405, 17.3281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 115, 111) }
```

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

```
.background{ background-color: rgb(85, 115,  
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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