

Converting Colors

XYZ(12.7157, 15.7239, 17.1922)

Have a look what the booklet for
XYZ(12.7157, 15.7239, 17.1922)
contains.

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Color

**XYZ(12.6554, 15.6422,
17.1041)**

Conversions

Conversions Part 1

Format	Color
Hex	52756E
RGB	82, 117, 110
RGB Percent	32%, 46%, 43%
CMY	0.6784, 0.5412, 0.5686
CMYK	0.30, 0.00, 0.06, 0.54
HSL	168°, 18%, 39%
HSV	168°, 30%, 46%
XYZ	12.6554, 15.6422, 17.1041
YIQ	105.7370, -18.6130, -9.5970

Conversions

Conversions Part 2

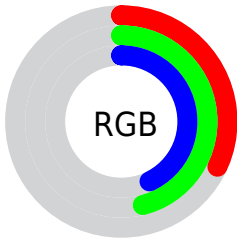
Format	Color
RYB	82, 101, 117
Decimal	5404014
CIELab	46.50, -14.08, -0.15
CIELCh	47, 14.085, 180.620
Yxy	15.6422, 0.2787, 0.3445
Android (android.graphics.Color)	4283594094 (0xFF52756E)
YUV	105.7370, 2.1017, -20.8173
Hunter-Lab	39.5502, -12.0959, 2.0443

Details

The XYZ color **12.6554, 15.6422, 17.1041** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.1571, 10.5381, 10.8450**, and the grayscale version is **13.6261, 14.3357, 15.6115**.

A 20% lighter version of the original color is **30.2253, 35.8901, 39.5169**, and **3.7185, 4.9724, 5.4664** is the 20% darker color. If you saturate the color by 10%, you get **11.5978, 15.1119, 16.3984**, and if you desaturate by 10%, it is **13.8908, 16.2645, 17.8363**.

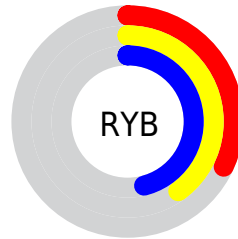
Distribution



Red (32%)

Green (46%)

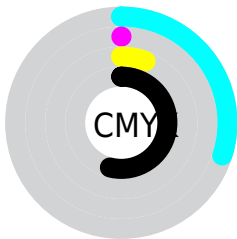
Blue (43%)



Red (32%)

Yellow (40%)

Blue (46%)

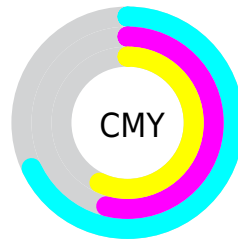


Cyan (30%)

Magenta (0%)

Yellow (6%)

Black (54%)



Cyan (68%)

Magenta (54%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6554, 15.6422, 17.1041 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 12.6554, 15.6422, 17.1041 by changing the saturation by 10% instead.

■ 12.6554, 15.6422,
17.1041

■ 12.6554, 15.6422,
17.1041

202.3798,
227.2211, 247.8358

■ 7.2670, 9.2713,
10.1460

■ 30.2899, 35.9759,
39.2978

■ 3.6775, 4.9186,
5.3890

■ 43.2668, 50.7076,
55.3704

■ 1.5213, 2.1996,
2.4146

■ 59.5038, 68.9949,
75.3183

■ 0.3403, 0.7198,
0.7944

■ 79.3665, 91.2223,
99.5601

■ 0.0000, 0.0000,
0.0000

■ 103.2200,
117.7743, 128.5141

131.4298,

149.0351, 162.5991

164.3613,
185.3893, 202.2335

■ 12.6554, 15.6422,
17.1041

■ 12.6554, 15.6422,
17.1041

■ 11.5978, 15.1119,
16.3984

■ 13.8908, 16.2645,
17.8363

■ 10.7079, 14.6673,
15.7177

■ 15.3108, 16.9813,
18.5946

■ 9.9764, 14.3040,
15.0617

■ 16.9235, 17.7970,
19.3797

■ 9.3928, 14.0165,
14.4298

■ 18.7364, 18.7154,
20.1921

■ 8.9452, 13.7988,
13.8213

■ 20.7561, 19.7401,
21.0323

■ 8.6198, 13.6436,
13.2354

■ 22.9892, 20.8744,
21.9008

■ 8.3661, 13.5251,
12.6696

■ 25.4420, 22.1216,
22.7978

■ 8.3640, 13.5241,
12.6649

■ 28.1205, 23.4847,
23.7239

■ 31.0305, 24.9667,
24.6794

Harmonies

Analogous

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



12.9266, 15.6422, 13.9608



12.6554, 15.6422, 17.1041



12.9496, 15.6422, 20.6649

Triad

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



12.6554, 15.6422, 17.1041



16.0871, 15.6422, 23.4497



16.0411, 15.6422, 11.8498

Complementary

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



12.6554, 15.6422, 17.1041



12.1571, 10.5381, 10.8450

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.



16.9659, 15.6422, 13.8514



12.6554, 15.6422, 17.1041



16.9935, 15.6422, 20.5228

Square

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



12.6554, 15.6422, 17.1041



14.8927, 15.6422, 24.6207



17.3233, 15.6422, 16.9595



14.8422, 15.6422, 11.1883

Rectangle

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



12.6554, 15.6422, 17.1041



13.4364, 15.6422, 22.7331



17.3233, 15.6422, 16.9595



16.3966, 15.6422, 12.3734

Sweetspot

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



12.6558, 15.6428, 17.1045



27.6020, 30.5012, 33.3905



12.0607, 15.4852, 10.3361



6.2726, 6.9755, 7.6396



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.



12.6558, 15.6428, 17.1045



21.3008, 27.3271, 29.7362



11.9574, 13.6115, 18.8274



3.7534, 4.1433, 4.5355



9.2094, 14.8978, 13.9246



44.5695, 72.4751, 66.2294

Inverse Universe

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



12.1571, 10.5381, 10.8450



20.2540, 16.5955, 16.5862



12.6795, 12.0314, 9.6368



3.7112, 3.7117, 4.0057



8.2528, 4.2348, 1.2732



39.9640, 20.5357, 4.8738

Previews

White Background



This preview shows how the XYZ color 12.6554, 15.6422, 17.1041 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 12.6554, 15.6422, 17.1041 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 12.6554, 15.6422, 17.1041

Background



This preview shows how black text looks on a background with the XYZ color 12.6554, 15.6422, 17.1041.



This preview shows how white text looks on a background with the XYZ color 12.6554, 15.6422,

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

12.6554, 15.6422, 17.1041

Protanopia

14.8802, 15.4886, 15.8410

Deuteranopia

15.6864, 15.3999, 17.4749



Tritanopia

13.5151, 15.6480, 21.3768

Trichromacy



Original Color

12.6554, 15.6422, 17.1041

Protanomaly

13.9275, 15.4747, 16.1628

Deuteranomaly

14.3890, 15.3637, 17.2460

Tritanomaly

13.2313, 15.7075, 19.7873

Monochromacy



Original Color

12.6554, 15.6422, 17.1041

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.1595, 14.7548, 16.0643

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6554, 15.6422, 17.1041 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(82, 117, 110)` looks like.

```
.text, #text, p{  
    color:rgb(82, 117, 110)  
}
```

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(82, 117, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 117, 110) }
```

Border

The CSS property to change the border of an element to XYZ 12.6554, 15.6422, 17.1041 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(82, 117, 110) }
```


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

```
.border{ border-color:rgb(82, 117, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 117, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 117, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 117, 110);  
box-shadow:4px 4px 4px 4px rgb(82, 117,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6554, 15.6422, 17.1041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 117, 110) }
```

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

```
.background{ background-color: rgb(82, 117,  
110) }
```

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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