

Converting Colors

XYZ(12.7846, 14.0308, 13.5216)

Have a look what the booklet for
XYZ(12.7846, 14.0308, 13.5216)
contains.

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Color

**XYZ(12.7255, 13.9566,
13.5785)**

Conversions

Conversions Part 1

Format	Color
Hex	656A62
RGB	101, 106, 98
RGB Percent	40%, 42%, 38%
CMY	0.6039, 0.5843, 0.6157
CMYK	0.05, 0.00, 0.08, 0.58
HSL	98°, 4%, 40%
HSV	98°, 8%, 42%
XYZ	12.7255, 13.9566, 13.5785
YIQ	103.5930, -0.4120, -3.5480

Conversions

Conversions Part 2

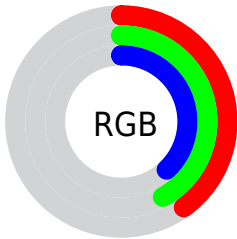
Format	Color
R_{YB}	98, 106, 103
Decimal	6646370
CIE Lab	44.17, -3.57, 3.82
CIE LCh	44, 5.227, 133.034
Yxy	13.9566, 0.3161, 0.3467
Android (android.graphics.Color)	4284836450 (0xFF656A62)
YUV	103.5930, -2.7573, -2.2741
Hunter-Lab	37.3585, -4.5747, 4.6012

Details

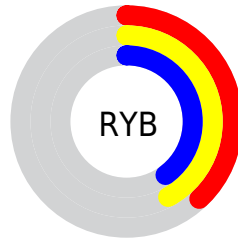
The XYZ color **12.7255, 13.9566, 13.5785** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.5632, 12.6599, 15.4178**, and the grayscale version is **13.0570, 13.7370, 14.9596**.

A 20% lighter version of the original color is **30.4307, 32.9593, 33.1917**, and **3.7051, 4.1601, 3.8565** is the 20% darker color. If you saturate the color by 10%, you get **11.5457, 13.4028, 11.0814**, and if you desaturate by 10%, it is **14.0322, 14.5689, 16.4282**.

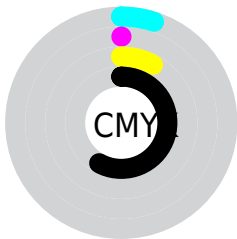
Distribution



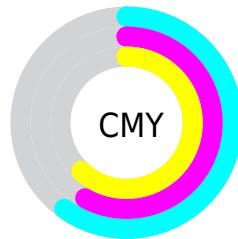
- Red (40%)
- Green (42%)
- Blue (38%)



- Red (38%)
- Yellow (42%)
- Blue (40%)



- Cyan (5%)
- Magenta (0%)
- Yellow (8%)
- Black (58%)



- Cyan (60%)
- Magenta (58%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7255, 13.9566, 13.5785 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 12.7255, 13.9566, 13.5785 by changing the saturation by 10% instead.

■ 12.7255, 13.9566,
13.5785

■ 12.7255, 13.9566,
13.5785

202.8242,
216.9607, 225.9292

■ 7.3155, 8.0905,
7.6927

■ 30.4153, 33.0120,
33.0455

■ 3.7083, 4.1529,
3.8140

■ 43.4257, 46.9701,
47.4639

■ 1.5384, 1.7595,
1.5239

■ 59.7004, 64.3943,
65.5634

■ 0.3518, 0.4617,
0.2356

■ 79.6047, 85.6690,
87.7628

■ 0.0000, 0.0000,
0.0000

103.5038,
111.1786, 114.4806

131.7632,

141.3074, 146.1352

164.7482,
176.4400, 183.1452

■ 12.7255, 13.9566,
13.5785

■ 12.7255, 13.9566,
13.5785

■ 11.5457, 13.4028,
11.0814

■ 14.0322, 14.5689,
16.4282

■ 10.4876, 12.9041,
8.9223

■ 15.4685, 15.2397,
19.6426

■ 9.5475, 12.4591,
7.0869

■ 17.0384, 15.9711,
23.2341

■ 8.7209, 12.0659,
5.5596

■ 18.7453, 16.7648,
27.2146

■ 8.0029, 11.7224,
4.3234

■ 20.5927, 17.6221,
31.5952

■ 7.3885, 11.4263,
3.3599

■ 22.5837, 18.5445,
36.3866

■ 6.8719, 11.1752,
2.6481

■ 24.7214, 19.5333,
41.5992

■ 6.4469, 10.9664,
2.1645

■ 27.0089, 20.5901,
47.2431

■ 6.0977, 10.7933,
1.8366

■ 29.4492, 21.7159,
53.3277

Harmonies

Analogous

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



13.0853, 13.9566, 13.0667



12.7255, 13.9566, 13.5785



12.5129, 13.9566, 14.5359

Triad

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



12.7255, 13.9566, 13.5785



13.0327, 13.9566, 17.5009



14.0621, 13.9566, 14.6842

Complementary

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



12.7255, 13.9566, 13.5785



12.5632, 12.6599, 15.4178

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.



14.0473, 13.9566, 15.8765



12.7255, 13.9566, 13.5785



13.4470, 13.9566, 17.5457

Square

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



12.7255, 13.9566, 13.5785



12.6877, 13.9566, 16.8184



13.8202, 13.9566, 16.9379



13.8602, 13.9566, 13.6822

Rectangle

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



12.7255, 13.9566, 13.5785



12.4804, 13.9566, 15.3183



13.8202, 13.9566, 16.9379



14.0825, 13.9566, 15.0751

Sweetspot

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



12.7259, 13.9572, 13.5788



23.5647, 25.0712, 26.4990



12.9926, 13.6338, 13.5023



5.5294, 5.8773, 6.2279



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.



12.7259, 13.9572, 13.5788



21.9656, 24.3217, 23.0419



12.4404, 13.8049, 13.7969



3.1613, 3.4949, 3.3254



7.4341, 13.3276, 2.1807



36.9840, 67.4481, 11.0695

Inverse Universe

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



12.5632, 12.6599, 15.4178



21.6196, 21.5623, 26.9535



12.8653, 12.8212, 15.1799



3.1130, 3.1100, 3.8711



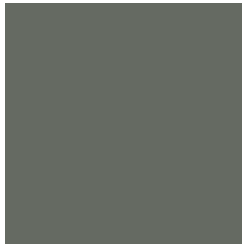
6.0005, 2.7204, 17.1311



29.5907, 13.3542, 87.2442

Previews

White Background



This preview shows how the XYZ color 12.7255, 13.9566, 13.5785 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 12.7255, 13.9566, 13.5785 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

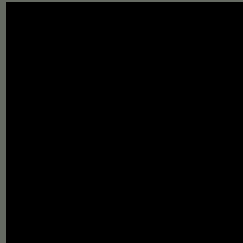
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.7255, 13.9566, 13.5785

Background



This preview shows how black text looks on a background with the XYZ color 12.7255, 13.9566, 13.5785.



This preview shows how white text looks on a background with the XYZ color 12.7255, 13.9566,

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

12.7255, 13.9566, 13.5785

Protanopia

13.2923, 13.9518, 13.3017

Deuteranopia

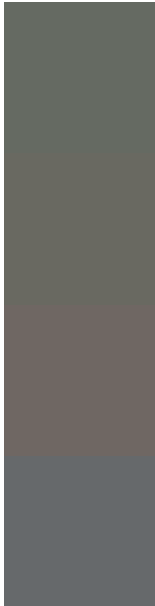
14.1083, 13.9212, 13.7479



Tritanopia

13.4685, 13.9540, 17.3128

Trichromacy



Original Color

12.7255, 13.9566, 13.5785

Protanomaly

13.0349, 13.9695, 13.3186

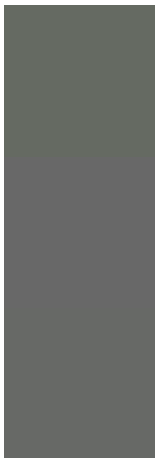
Deuteranomaly

13.6579, 13.9809, 13.7831

Tritanomaly

13.1849, 13.9895, 15.9152

Monochromacy



Original Color

12.7255, 13.9566, 13.5785

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.0434, 13.9460, 14.5748

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7255, 13.9566, 13.5785 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(101, 106, 98)` looks like.

```
.text, #text, p{  
    color:rgb(101, 106, 98)  
}
```

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(101, 106, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 106, 98) }
```

Border

The CSS property to change the border of an element to XYZ 12.7255, 13.9566, 13.5785 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(101, 106, 98) }
```


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

```
.border{ border-color:rgb(101, 106, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 106, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 106, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 106, 98);  
box-shadow:4px 4px 4px 4px rgb(101, 106,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7255, 13.9566, 13.5785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 106, 98) }
```

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

```
.background{ background-color: rgb(101,  
106, 98) }
```

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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