

Converting Colors

XYZ(12.7230, 14.5003, 14.8350)

Have a look what the booklet for
XYZ(12.7230, 14.5003, 14.8350)
contains.

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Color

**XYZ(12.7434, 14.5640,
14.9715)**

Conversions

Conversions Part 1

Format	Color
Hex	5F6E67
RGB	95, 110, 103
RGB Percent	37%, 43%, 40%
CMY	0.6274, 0.5686, 0.5961
CMYK	0.14, 0.00, 0.06, 0.57
HSL	152°, 7%, 40%
HSV	152°, 14%, 43%
XYZ	12.7434, 14.5640, 14.9715
YIQ	104.7170, -6.6930, -5.3570

Conversions

Conversions Part 2

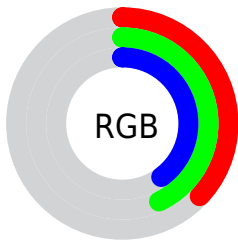
Format	Color
R_{YB}	95, 105, 110
Decimal	6254183
CIE Lab	45.03, -7.16, 2.00
CIE LCh	45, 7.430, 164.401
Yxy	14.5640, 0.3014, 0.3445
Android (android.graphics.Color)	4284444263 (0xFF5F6E67)
YUV	104.7170, -0.8465, -8.5218
Hunter-Lab	38.1628, -7.1798, 3.4541

Details

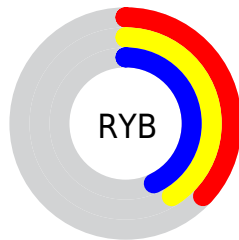
The XYZ color **12.7434, 14.5640, 14.9715** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.9214, 12.4590, 14.2947**, and the grayscale version is **13.3546, 14.0500, 15.3005**.

A 20% lighter version of the original color is **30.6071, 34.2847, 35.5763**, and **3.7031, 4.3837, 4.3924** is the 20% darker color. If you saturate the color by 10%, you get **11.4307, 13.9166, 13.6061**, and if you desaturate by 10%, it is **14.2341, 15.3022, 16.4284**.

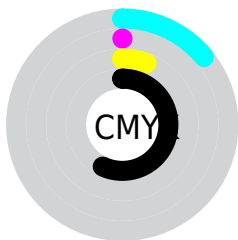
Distribution



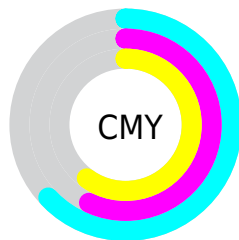
- Red (37%)
- Green (43%)
- Blue (40%)



- Red (37%)
- Yellow (41%)
- Blue (43%)



- Cyan (14%)
- Magenta (0%)
- Yellow (6%)
- Black (57%)



- Cyan (63%)
- Magenta (57%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7434, 14.5640, 14.9715 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 12.7434, 14.5640, 14.9715 by changing the saturation by 10% instead.

■ 12.7434, 14.5640,
14.9715

■ 12.7434, 14.5640,
14.9715

202.9376,
220.7118, 234.8285

■ 7.3279, 8.5140,
8.6530

■ 30.4473, 34.0865,
35.5448

■ 3.7161, 4.4255,
4.4218

■ 43.4663, 48.3277,
50.6366

■ 1.5428, 1.9143,
1.8595

■ 59.7506, 66.0681,
69.4900

■ 0.3547, 0.5570,
0.4668

■ 79.6654, 87.6921,
92.5234

■ 0.0000, 0.0000,
0.0000

103.5762,
113.5841, 120.1554

131.8482,

144.1284, 152.8046

164.8469,
179.7096, 190.8894

■ 12.7434, 14.5640,
14.9715

■ 12.7434, 14.5640,
14.9715

■ 11.4307, 13.9166,
13.6061

■ 14.2341, 15.3022,
16.4284

■ 10.2878, 13.3545,
12.3296

■ 15.9083, 16.1327,
17.9777

■ 9.3077, 12.8745,
11.1402

■ 17.7725, 17.0593,
19.6213

■ 8.4822, 12.4725,
10.0362

■ 19.8328, 18.0850,
21.3609

■ 7.8025, 12.1440,
9.0156

■ 22.0948, 19.2128,
23.1981

■ 7.2590, 11.8841,
8.0761

■ 24.5640, 20.4454,
25.1344

■ 6.8407, 11.6870,
7.2156

■ 27.2456, 21.7856,
27.1714

■ 6.5314, 11.5446,
6.4315

■ 30.1448, 23.2358,
29.3105

■ 6.3569, 11.4647,
5.9700

■ 33.2663, 24.7986,
31.5532

Harmonies

Analogous

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



13.0381, 14.5640, 13.5768



12.7434, 14.5640, 14.9715



12.7374, 14.5640, 16.7079

Triad

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



12.7434, 14.5640, 14.9715



14.1364, 14.5640, 19.3388



14.6977, 14.5640, 13.6216

Complementary

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



12.7434, 14.5640, 14.9715



12.9214, 12.4590, 14.2947

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.



15.0100, 14.5640, 15.0369



12.7434, 14.5640, 14.9715



14.6796, 14.5640, 18.3808

Square

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



12.7434, 14.5640, 14.9715



13.5296, 14.5640, 19.3181



15.0034, 14.5640, 16.7782



14.1604, 14.5640, 12.8374

Rectangle

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



12.7434, 14.5640, 14.9715



12.8973, 14.5640, 17.8323



15.0034, 14.5640, 16.7782



14.8331, 14.5640, 14.0346

Sweetspot

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



12.7438, 14.5646, 14.9718



24.8670, 26.8081, 28.7267



13.1498, 14.8181, 12.9937



5.7479, 6.2192, 6.6479



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.



12.7438, 14.5646, 14.9718



21.7058, 25.2443, 25.6075



13.0832, 14.6573, 16.8921



3.4125, 3.7902, 3.9783



7.6215, 13.7661, 7.0933



37.5267, 68.3993, 33.0224

Inverse Universe

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



12.9214, 12.4590, 14.2947



22.0745, 20.8715, 24.2014



12.6111, 12.3710, 12.5498



3.4432, 3.4250, 3.8608



8.4371, 4.2672, 4.1119



41.6012, 21.0858, 18.2297

Previews

White Background



This preview shows how the XYZ color 12.7434, 14.5640, 14.9715 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 12.7434, 14.5640, 14.9715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

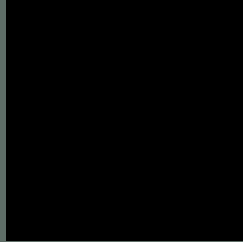
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.7434, 14.5640, 14.9715

Background



This preview shows how black text looks on a background with the XYZ color 12.7434, 14.5640, 14.9715.



This preview shows how white text looks on a background with the XYZ color 12.7434, 14.5640,

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

12.7434, 14.5640, 14.9715

Protanopia

13.9334, 14.5627, 14.3884

Deuteranopia

14.6851, 14.4819, 15.1180



Tritanopia

13.5032, 14.5509, 18.9265

Trichromacy



Original Color

12.7434, 14.5640, 14.9715

Protanomaly

13.4817, 14.4780, 14.6543

Deuteranomaly

13.9594, 14.5588, 15.1711

Tritanomaly

13.2171, 14.5939, 17.4495

Monochromacy



Original Color

12.7434, 14.5640, 14.9715

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.1232, 14.2816, 15.1617

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7434, 14.5640, 14.9715 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(95, 110, 103) looks like.

```
.text, #text, p{  
    color:rgb(95, 110, 103)  
}
```

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(95, 110, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 110, 103) }
```

Border

The CSS property to change the border of an element to XYZ 12.7434, 14.5640, 14.9715 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(95, 110, 103) }
```


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

```
.border{ border-color:rgb(95, 110, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 110, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 110, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 110, 103);  
box-shadow:4px 4px 4px 4px rgb(95, 110,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7434, 14.5640, 14.9715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 110, 103) }
```

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

```
.background{ background-color: rgb(95, 110,  
103) }
```

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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