

Converting Colors

XYZ(12.7440, 14.5406, 16.0448)

Have a look what the booklet for
XYZ(12.7440, 14.5406, 16.0448)
contains.

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Color

**XYZ(12.7440, 14.5406,
16.0448)**

Conversions

Conversions Part 1

Format	Color
Hex	5D6E6B
RGB	93, 110, 107
RGB Percent	36%, 43%, 42%
CMY	0.6353, 0.5686, 0.5804
CMYK	0.15, 0.00, 0.03, 0.57
HSL	169°, 8%, 40%
HSV	169°, 15%, 43%
XYZ	12.7440, 14.5406, 16.0448
YIQ	104.5750, -9.1690, -4.5370

Conversions

Conversions Part 2

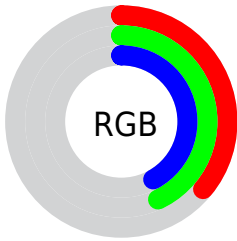
Format	Color
R _Y B	93, 102, 110
Decimal	6123115
CIE Lab	45.00, -7.01, -0.47
CIE LCh	45, 7.027, 183.823
Yxy	14.5406, 0.2941, 0.3356
Android (android.graphics.Color)	4284313195 (0xFF5D6E6B)
YUV	104.5750, 1.1955, -10.1513
Hunter-Lab	38.1321, -7.0754, 1.7451

Details

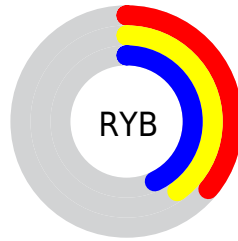
The XYZ color **12.7440, 14.5406, 16.0448** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.4567, 11.9887, 12.7246**, and the grayscale version is **13.3115, 14.0047, 15.2511**.

A 20% lighter version of the original color is **30.4196, 34.1489, 37.3359**, and **3.7105, 4.3758, 4.9240** is the 20% darker color. If you saturate the color by 10%, you get **11.6088, 13.9674, 15.4644**, and if you desaturate by 10%, it is **14.0426, 15.1985, 16.6454**.

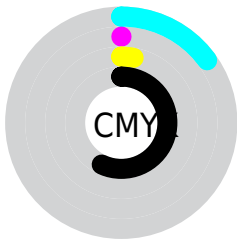
Distribution



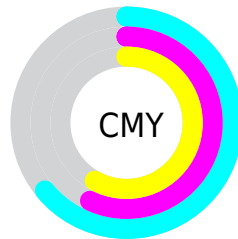
- Red (36%)
- Green (43%)
- Blue (42%)



- Red (36%)
- Yellow (40%)
- Blue (43%)



- Cyan (15%)
- Magenta (0%)
- Yellow (3%)
- Black (57%)



- Cyan (64%)
- Magenta (57%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7440, 14.5406, 16.0448 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 12.7440, 14.5406, 16.0448 by changing the saturation by 10% instead.

■ 12.7440, 14.5406,
16.0448

■ 12.7440, 14.5406,
16.0448

202.9414,
220.5685, 241.4607

■ 7.3283, 8.4976,
9.4012

■ 30.4483, 34.0452,
37.4438

■ 3.7164, 4.4150,
4.9034

■ 43.4677, 48.2756,
53.0363

■ 1.5430, 1.9083,
2.1329

■ 59.7523, 66.0040,
72.4488

■ 0.3548, 0.5534,
0.6353

■ 79.6674, 87.6146,
96.0999

■ 0.0000, 0.0000,
0.0000

103.5786,
113.4920, 124.4081

131.8511,

144.0205, 157.7919

164.8502,
179.5846, 196.6699

■ 12.7440, 14.5406,
16.0448

■ 12.7440, 14.5406,
16.0448

■ 11.6088, 13.9674,
15.4644

■ 14.0426, 15.1985,
16.6454

■ 10.6288, 13.4737,
14.9030

■ 15.5096, 15.9426,
17.2656

■ 9.7972, 13.0561,
14.3603

■ 17.1516, 16.7766,
17.9062

■ 9.1060, 12.7107,
13.8359

■ 18.9744, 17.7035,
18.5675

■ 8.5467, 12.4330,
13.3293

■ 20.9834, 18.7262,
19.2497

■ 8.1095, 12.2180,
12.8401

■ 23.1839, 19.8473,
19.9533

■ 7.7836, 12.0601,
12.3676

■ 25.5810, 21.0694,
20.6785

■ 7.5471, 11.9480,
11.9107

■ 28.1794, 22.3952,
21.4256

■ 7.4464, 11.9005,
11.7071

■ 30.9840, 23.8268,
22.1950

Harmonies

Analogous

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



12.8496, 14.5406, 14.4731



12.7440, 14.5406, 16.0448



12.9201, 14.5406, 17.6652

Triad

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



12.7440, 14.5406, 16.0448



14.4464, 14.5406, 18.6177



14.3150, 14.5406, 13.1516

Complementary

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



12.7440, 14.5406, 16.0448



12.4567, 11.9887, 12.7246

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.



14.7615, 14.5406, 14.1306



12.7440, 14.5406, 16.0448



14.8389, 14.5406, 17.2739

Square

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



12.7440, 14.5406, 16.0448



13.8944, 14.5406, 19.2145



14.9558, 14.5406, 15.6216



13.7466, 14.5406, 12.8722

Rectangle

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



12.7440, 14.5406, 16.0448



13.1766, 14.5406, 18.5345



14.9558, 14.5406, 15.6216



14.4849, 14.5406, 13.4063

Sweetspot

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



12.7444, 14.5412, 16.0451



24.7386, 26.7299, 29.2657



12.3884, 14.4360, 12.4897



5.7274, 6.2053, 6.7973



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.



12.7444, 14.5412, 16.0451



21.5390, 25.1105, 27.7598



12.3418, 13.4787, 16.7038



3.4509, 3.8056, 4.1809



8.9357, 14.2918, 14.0138



44.2279, 71.0798, 68.3108

Inverse Universe

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



12.4567, 11.9887, 12.7246



20.9184, 19.6034, 20.5970



12.8104, 12.9131, 12.1735



3.4063, 3.4102, 3.6665



7.8618, 4.0371, 1.0823



38.9299, 20.0173, 4.1629

Previews

White Background



This preview shows how the XYZ color 12.7440, 14.5406, 16.0448 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 12.7440, 14.5406, 16.0448 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

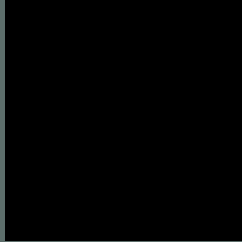
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

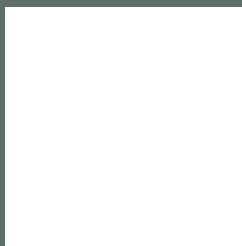
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.7440, 14.5406, 16.0448

Background



This preview shows how black text looks on a background with the XYZ color 12.7440, 14.5406, 16.0448.



This preview shows how white text looks on a background with the XYZ color 12.7440, 14.5406,

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

12.7440, 14.5406, 16.0448

Protanopia

13.8882, 14.5161, 15.4345

Deuteranopia

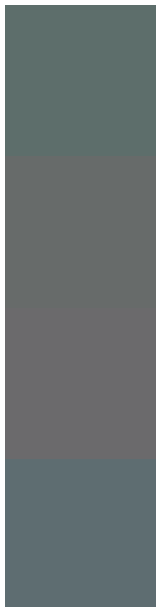
14.6273, 14.4280, 16.2013



Tritanopia

13.2928, 14.4424, 18.9167

Trichromacy



Original Color

12.7440, 14.5406, 16.0448

Protanomaly

13.4527, 14.4396, 15.7137

Deuteranomaly

13.9242, 14.5166, 16.2555

Tritanomaly

13.0654, 14.5092, 17.7347

Monochromacy



Original Color

12.7440, 14.5406, 16.0448

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.2260, 14.3227, 15.7031

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7440, 14.5406, 16.0448 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(93, 110, 107) looks like.

```
.text, #text, p{  
    color:rgb(93, 110, 107)  
}
```

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(93, 110, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 110, 107) }
```

Border

The CSS property to change the border of an element to XYZ 12.7440, 14.5406, 16.0448 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(93, 110, 107) }
```


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

```
.border{ border-color:rgb(93, 110, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 110, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 110, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 110, 107);  
box-shadow:4px 4px 4px 4px rgb(93, 110,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7440, 14.5406, 16.0448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 110, 107) }
```

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

```
.background{ background-color: rgb(93, 110,  
107) }
```

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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