

Converting Colors

XYZ(12.5297, 14.0029, 14.6036)

Have a look what the booklet for
XYZ(12.5297, 14.0029, 14.6036)
contains.

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Color

**XYZ(12.4798, 13.9615,
14.6075)**

Conversions

Conversions Part 1

Format	Color
Hex	606B66
RGB	96, 107, 102
RGB Percent	38%, 42%, 40%
CMY	0.6235, 0.5804, 0.6000
CMYK	0.10, 0.00, 0.05, 0.58
HSL	153°, 5%, 40%
HSV	153°, 10%, 42%
XYZ	12.4798, 13.9615, 14.6075
YIQ	103.1410, -4.9510, -3.8870

Conversions

Conversions Part 2

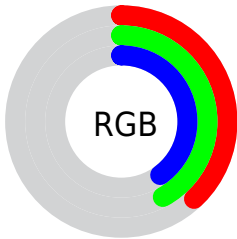
Format	Color
R_{YB}	96, 103, 107
Decimal	6318950
CIE Lab	44.18, -5.25, 1.37
CIE LCh	44, 5.430, 165.388
Yxy	13.9615, 0.3040, 0.3401
Android (android.graphics.Color)	4284509030 (0xFF606B66)
YUV	103.1410, -0.5625, -6.2627
Hunter-Lab	37.3651, -5.7706, 2.9767

Details

The XYZ color **12.4798, 13.9615, 14.6075** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.5957, 12.4314, 14.0480**, and the grayscale version is **12.9321, 13.6056, 14.8165**.

A 20% lighter version of the original color is **30.0093, 32.9567, 34.9166**, and **3.6208, 4.1857, 4.2315** is the 20% darker color. If you saturate the color by 10%, you get **11.1956, 13.3269, 13.3250**, and if you desaturate by 10%, it is **13.9322, 14.6819, 15.9724**.

Distribution



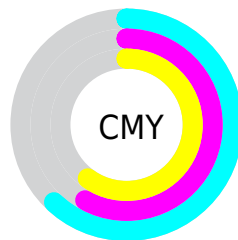
- Red (38%)
- Green (42%)
- Blue (40%)



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



- Cyan (10%)
- Magenta (0%)
- Yellow (5%)
- Black (58%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4798, 13.9615, 14.6075 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 12.4798, 13.9615, 14.6075 by changing the saturation by 10% instead.

■ 12.4798, 13.9615,
14.6075

■ 12.4798, 13.9615,
14.6075

201.2620,
216.9912, 232.5364

■ 7.1458, 8.0939,
8.4008

■ 29.9753, 33.0207,
34.8956

■ 3.6006, 4.1551,
4.2611

■ 42.8676, 46.9811,
49.8142

■ 1.4788, 1.7607,
1.7696

■ 59.0101, 64.4078,
68.4738

■ 0.3113, 0.4625,
0.4078

■ 78.7680, 85.6854,
91.2930

■ 0.0000, 0.0000,
0.0000

102.5068,
111.1981, 118.6903

130.5919,

141.3304, 151.0843

163.3885,
176.4666, 188.8935

■ 12.4798, 13.9615,
14.6075

■ 12.4798, 13.9615,
14.6075

■ 11.1956, 13.3269,
13.3250

■ 13.9322, 14.6819,
15.9724

■ 10.0721, 12.7732,
12.1224

■ 15.5577, 15.4895,
17.4202

■ 9.1028, 12.2974,
10.9983

■ 17.3623, 16.3878,
18.9528

■ 8.2804, 11.8958,
9.9512

■ 19.3517, 17.3796,
20.5715

■ 7.5970, 11.5642,
8.9793

■ 21.5309, 18.4675,
22.2778

■ 7.0439, 11.2984,
8.0808

■ 23.9050, 19.6541,
24.0729

■ 6.6112, 11.0932,
7.2537

■ 26.4788, 20.9419,
25.9583

■ 6.2878, 10.9429,
6.4961

■ 29.2570, 22.3333,
27.9351

■ 6.0309, 10.8251,
5.8227

■ 32.2441, 23.8304,
30.0047

Harmonies

Analogous

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



12.6855, 13.9615, 13.5864



12.4798, 13.9615, 14.6075



12.4826, 13.9615, 15.8438

Triad

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



12.4798, 13.9615, 14.6075



13.4923, 13.9615, 17.6209



13.8639, 13.9615, 13.5652

Complementary

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



12.4798, 13.9615, 14.6075



12.5957, 12.4314, 14.0480

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.



14.0898, 13.9615, 14.5771



12.4798, 13.9615, 14.6075



13.8721, 13.9615, 16.9403

Square

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



12.4798, 13.9615, 14.6075



13.0609, 13.9615, 17.6301



14.0928, 13.9615, 15.8118



13.4813, 13.9615, 13.0072

Rectangle

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



12.4798, 13.9615, 14.6075



12.6021, 13.9615, 16.6262



14.0928, 13.9615, 15.8118



13.9611, 13.9615, 13.8610

Sweetspot

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



12.4802, 13.9621, 14.6078



24.1868, 25.9119, 27.8997



12.7512, 14.1350, 13.1226



5.8095, 6.2496, 6.7113



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.



12.4802, 13.9621, 14.6078



21.8492, 24.7537, 25.6717



12.6977, 13.9880, 15.9414



3.1266, 3.4698, 3.6503



7.3210, 13.1625, 7.0016



36.8612, 66.8916, 33.3457

Inverse Universe

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



12.5957, 12.4314, 14.0480



22.0941, 21.5082, 24.4849



12.3915, 12.4034, 12.8074



3.1516, 3.1375, 3.5288



8.0266, 4.0628, 3.7686



40.4714, 20.5305, 16.9512

Previews

White Background



This preview shows how the XYZ color 12.4798, 13.9615, 14.6075 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 12.4798, 13.9615, 14.6075 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

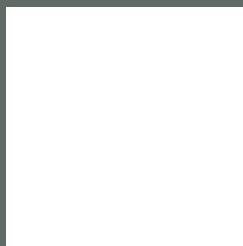
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.4798, 13.9615, 14.6075

Background



This preview shows how black text looks on a background with the XYZ color 12.4798, 13.9615, 14.6075.



This preview shows how white text looks on a background with the XYZ color 12.4798, 13.9615,

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

12.4798, 13.9615, 14.6075

Protanopia

13.3140, 13.9465, 14.0468

Deuteranopia

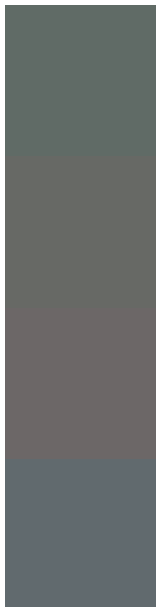
14.1721, 13.9315, 14.7741



Tritanopia

13.1258, 13.9147, 17.9136

Trichromacy



Original Color

12.4798, 13.9615, 14.6075

Protanomaly

12.9941, 13.9263, 14.3151

Deuteranomaly

13.4828, 13.8679, 14.7981

Tritanomaly

12.8983, 13.9752, 16.7695

Monochromacy



Original Color

12.4798, 13.9615, 14.6075

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.6540, 13.5892, 14.7880

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4798, 13.9615, 14.6075 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(96, 107, 102) looks like.

```
.text, #text, p{  
    color:rgb(96, 107, 102)  
}
```

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(96, 107, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 107, 102) }
```

Border

The CSS property to change the border of an element to XYZ 12.4798, 13.9615, 14.6075 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(96, 107, 102) }
```


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

```
.border{ border-color:rgb(96, 107, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 107, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 107, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 107, 102);  
box-shadow:4px 4px 4px 4px rgb(96, 107,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4798, 13.9615, 14.6075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 107, 102) }
```

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

```
.background{ background-color: rgb(96, 107,  
102) }
```

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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