

Converting Colors

XYZ(12.3733, 14.5417, 14.8482)

Have a look what the booklet for
XYZ(12.3733, 14.5417, 14.8482)
contains.

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Color

**XYZ(12.2992, 14.5018,
14.7213)**

Conversions

Conversions Part 1

Format	Color
Hex	5A6F66
RGB	90, 111, 102
RGB Percent	35%, 44%, 40%
CMY	0.6471, 0.5647, 0.6000
CMYK	0.19, 0.00, 0.08, 0.56
HSL	154°, 10%, 39%
HSV	154°, 19%, 44%
XYZ	12.2992, 14.5018, 14.7213
YIQ	103.6950, -9.6270, -7.2510

Conversions

Conversions Part 2

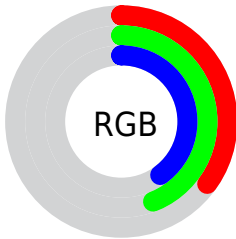
Format	Color
R_{YB}	90, 103, 111
Decimal	5926758
CIE _{Lab}	44.94, -9.79, 2.43
CIE _{LCh}	45, 10.086, 166.081
Yxy	14.5018, 0.2962, 0.3493
Android (android.graphics.Color)	4284116838 (0xFF5A6F66)
YUV	103.6950, -0.8356, -12.0105
Hunter-Lab	38.0812, -8.9915, 3.7368

Details

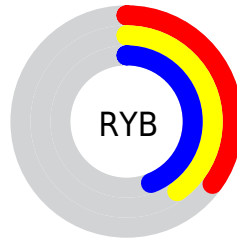
The XYZ color **12.2992, 14.5018, 14.7213** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.4644, 11.5932, 13.3858**, and the grayscale version is **13.0810, 13.7622, 14.9870**.

A 20% lighter version of the original color is **29.6622, 34.0697, 35.1497**, and **3.5058, 4.3663, 4.2724** is the 20% darker color. If you saturate the color by 10%, you get **11.0700, 13.8950, 13.4674**, and if you desaturate by 10%, it is **13.7041, 15.1984, 16.0548**.

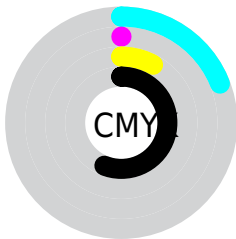
Distribution



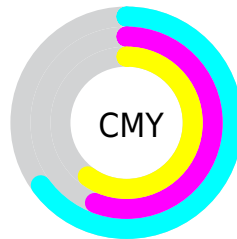
- Red (35%)
- Green (44%)
- Blue (40%)



- Red (35%)
- Yellow (40%)
- Blue (44%)



- Cyan (19%)
- Magenta (0%)
- Yellow (8%)
- Black (56%)



- Cyan (65%)
- Magenta (56%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2992, 14.5018, 14.7213 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 12.2992, 14.5018, 14.7213 by changing the saturation by 10% instead.

■ 12.2992, 14.5018,
14.7213

■ 12.2992, 14.5018,
14.7213

200.1059,
220.3306, 233.2554

■ 7.0214, 8.4705,
8.4796

■ 29.6510, 33.9768,
35.0989

■ 3.5220, 4.3975,
4.3112

■ 42.4558, 48.1893,
50.0718

■ 1.4354, 1.8983,
1.7976

■ 58.5003, 65.8976,
68.7922

■ 0.2812, 0.5473,
0.4263

■ 78.1498, 87.4861,
91.6786

■ 0.0000, 0.0000,
0.0000

■ 101.7698,
113.3393, 119.1497

129.7256,

143.8415, 151.6238

162.3825,
179.3771, 189.5195

■ 12.2992, 14.5018,
14.7213

■ 12.2992, 14.5018,
14.7213

■ 11.0700, 13.8950,
13.4674

■ 13.7041, 15.1984,
16.0548

■ 10.0078, 13.3724,
12.2905

■ 15.2903, 15.9865,
17.4683

■ 9.1052, 12.9305,
11.1895

■ 17.0647, 16.8700,
18.9636

■ 8.3537, 12.5650,
10.1626

■ 19.0336, 17.8521,
20.5420

■ 7.7438, 12.2711,
9.2082

■ 21.2028, 18.9358,
22.2050

■ 7.2650, 12.0433,
8.3244

■ 23.5781, 20.1240,
23.9538

■ 6.9053, 11.8756,
7.5093

■ 26.1647, 21.4195,
25.7898

■ 6.6234, 11.7466,
6.7597

■ 28.9679, 22.8249,
27.7141

■ 6.5938, 11.7330,
6.6823

■ 31.9928, 24.3429,
29.7280

Harmonies

Analogous

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



12.6712, 14.5018, 12.8414



12.2992, 14.5018, 14.7213



12.3136, 14.5018, 17.0833

Triad

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



12.2992, 14.5018, 14.7213



14.2280, 14.5018, 20.5744



14.9144, 14.5018, 12.7360

Complementary

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



12.2992, 14.5018, 14.7213



12.4644, 11.5932, 13.3858

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.



15.3660, 14.5018, 14.5637



12.2992, 14.5018, 14.7213



14.9591, 14.5018, 19.1586

Square

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



12.2992, 14.5018, 14.7213



13.4051, 14.5018, 20.6274



15.3827, 14.5018, 16.9092



14.1690, 14.5018, 11.7750

Rectangle

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



12.2992, 14.5018, 14.7213



12.5398, 14.5018, 18.6221



15.3827, 14.5018, 16.9092



15.1069, 14.5018, 13.2607

Sweetspot

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



12.2996, 14.5024, 14.7216



25.2882, 27.5864, 29.4306



12.6869, 14.7659, 11.8547



6.0446, 6.6122, 7.0427



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.2996, 14.5024, 14.7216



20.9490, 25.4367, 25.2859



12.6191, 14.3877, 17.1515



3.4174, 3.7922, 4.0045



7.7566, 13.8201, 7.8048



38.2004, 68.6688, 36.5701

Inverse Universe

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



12.4644, 11.5932, 13.3858



21.3061, 19.1349, 22.3932



12.1769, 11.6689, 11.2838



3.4383, 3.4230, 3.8349



8.3307, 4.2246, 3.5512



41.0838, 20.8788, 15.5052

Previews

White Background



This preview shows how the XYZ color 12.2992, 14.5018, 14.7213 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 12.2992, 14.5018, 14.7213 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

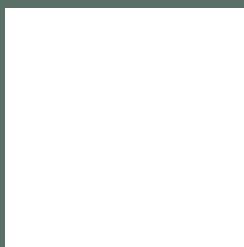
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.2992, 14.5018, 14.7213

Background



This preview shows how black text looks on a background with the XYZ color 12.2992, 14.5018, 14.7213.



This preview shows how white text looks on a background with the XYZ color 12.2992, 14.5018,

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

12.2992, 14.5018, 14.7213

Protanopia

13.8366, 14.5239, 13.8785

Deuteranopia

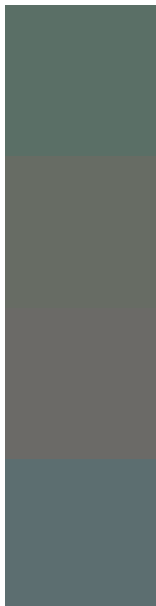
14.6851, 14.4819, 15.1180



Tritanopia

13.1937, 14.5488, 18.9424

Trichromacy



Original Color

12.2992, 14.5018, 14.7213

Protanomaly

13.2563, 14.5288, 14.1622

Deuteranomaly

13.6656, 14.4131, 14.8937

Tritanomaly

12.9142, 14.5970, 17.4661

Monochromacy



Original Color

12.2992, 14.5018, 14.7213

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.8515, 14.1473, 14.8853

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2992, 14.5018, 14.7213 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(90, 111, 102) looks like.

```
.text, #text, p{  
    color:rgb(90, 111, 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(90, 111, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 111, 102) }
```

Border

The CSS property to change the border of an element to XYZ 12.2992, 14.5018, 14.7213 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(90, 111, 102) }
```


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

```
.border{ border-color:rgb(90, 111, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 111, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 111, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 111, 102);  
box-shadow:4px 4px 4px 4px rgb(90, 111,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2992, 14.5018, 14.7213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 111, 102) }
```

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

```
.background{ background-color: rgb(90, 111,  
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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