

Converting Colors

XYZ(12.7009, 12.8040, 14.3724)

Have a look what the booklet for
XYZ(12.7009, 12.8040, 14.3724)
contains.

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Color

**XYZ(12.7098, 12.7588,
14.3632)**

Conversions

Conversions Part 1

Format	Color
Hex	6A6266
RGB	106, 98, 102
RGB Percent	42%, 38%, 40%
CMY	0.5843, 0.6157, 0.6000
CMYK	0.00, 0.08, 0.04, 0.58
HSL	330°, 4%, 40%
HSV	330°, 8%, 42%
XYZ	12.7098, 12.7588, 14.3632
YIQ	100.8480, 3.4840, 2.9400

Conversions

Conversions Part 2

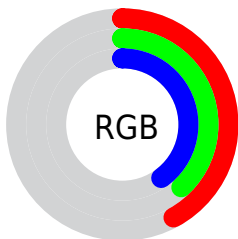
Format	Color
R_{YB}	106, 98, 102
Decimal	6972006
CIE Lab	42.40, 3.97, -1.13
CIE LCh	42, 4.127, 344.175
Yxy	12.7588, 0.3191, 0.3203
Android (android.graphics.Color)	4285162086 (0xFF6A6266)
YUV	100.8480, 0.5679, 4.5183
Hunter-Lab	35.7195, 1.0053, 1.1624

Details

The XYZ color **12.7098, 12.7588, 14.3632** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.5898, 13.8644, 14.5835**, and the grayscale version is **12.3287, 12.9707, 14.1251**.

A 20% lighter version of the original color is **30.4018, 30.9629, 34.5111**, and **3.7212, 3.6616, 4.1251** is the 20% darker color. If you saturate the color by 10%, you get **11.5285, 10.8034, 12.7136**, and if you desaturate by 10%, it is **14.0400, 14.9848, 16.1457**.

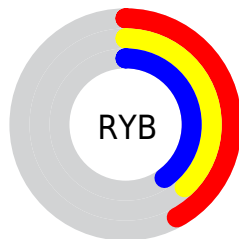
Distribution



Red (42%)

Green (38%)

Blue (40%)



Red (42%)

Yellow (38%)

Blue (40%)

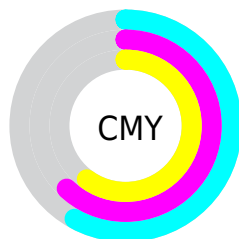


Cyan (0%)

Magenta (8%)

Yellow (4%)

Black (58%)



Cyan (58%)

Magenta (62%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7098, 12.7588, 14.3632 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 12.7098, 12.7588, 14.3632 by changing the saturation by 10% instead.

■ 12.7098, 12.7588,
14.3632

■ 12.7098, 12.7588,
14.3632

202.7248,
209.3660, 230.9852

■ 7.3046, 7.2627,
8.2321

■ 30.3872, 30.8698,
34.4585

■ 3.7014, 3.6269,
4.1539

■ 43.3902, 44.2534,
49.2597

■ 1.5346, 1.4671,
1.7102

■ 59.6564, 61.0350,
67.7880

■ 0.3492, 0.2654,
0.3677

■ 79.5513, 81.5989,
90.4620

■ 0.0000, 0.0000,
0.0000

103.4403,
106.3296, 117.7001

131.6886,

135.6114, 149.9210

164.6616,
169.8287, 187.5432

■ 12.7098, 12.7588,
14.3632

■ 12.7098, 12.7588,
14.3632

■ 11.5285, 10.8034,
12.7136

■ 14.0400, 14.9848,
16.1457

■ 10.4896, 9.1066,
11.1928

■ 15.5232, 17.4895,
18.0635

■ 9.5876, 7.6578,
9.7975

■ 17.1647, 20.2827,
20.1199

■ 8.8165, 6.4452,
8.5240

■ 18.9690, 23.3735,
22.3181

■ 8.1694, 5.4560,
7.3684

■ 20.9407, 26.7702,
24.6607

■ 7.6392, 4.6760,
6.3265

■ 23.0841, 30.4810,
27.1506

■ 7.2175, 4.0898,
5.3938

■ 25.4032, 34.5138,
29.7906

■ 6.8953, 3.6792,
4.5654

■ 27.9022, 38.8761,
32.5832

■ 6.6449, 3.3898,
3.8300

■ 30.5849, 43.5753,
35.5310

Harmonies

Analogous

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



12.5473, 12.7588, 15.1537



12.7098, 12.7588, 14.3632



12.7144, 12.7588, 13.4780

Triad

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



12.7098, 12.7588, 14.3632



11.9814, 12.7588, 12.3009



11.7041, 12.7588, 15.1168

Complementary

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



12.7098, 12.7588, 14.3632



12.5898, 13.8644, 14.5835

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.



11.5577, 12.7588, 14.3147



12.7098, 12.7588, 14.3632



11.7159, 12.7588, 12.7027

Square

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



12.7098, 12.7588, 14.3632



12.2902, 12.7588, 12.3127



11.5620, 12.7588, 13.4315



11.9649, 12.7588, 15.6013

Rectangle

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



12.7098, 12.7588, 14.3632



12.6270, 12.7588, 12.9545



11.5620, 12.7588, 13.4315



11.6401, 12.7588, 14.8740

Sweetspot

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



12.7102, 12.7594, 14.3635



23.5550, 24.4774, 26.8961



12.4491, 12.6013, 15.4120



5.5273, 5.7498, 6.3132



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.



12.7102, 12.7594, 14.3635



21.9351, 21.7752, 24.6986



12.5166, 12.6819, 13.3440



3.1569, 3.1397, 3.5568



8.1566, 4.1147, 4.4530



41.1226, 20.7910, 20.3802

Inverse Universe

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



12.7102, 12.7594, 14.3635



21.9351, 21.7752, 24.6986



12.7929, 13.9456, 15.6534



3.1569, 3.1397, 3.5568



8.1566, 4.1147, 4.4530



41.1226, 20.7910, 20.3802

Previews

White Background



This preview shows how the XYZ color 12.7098, 12.7588, 14.3632 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 12.7098, 12.7588, 14.3632 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 12.7098, 12.7588, 14.3632

Background



This preview shows how black text looks on a background with the XYZ color 12.7098, 12.7588, 14.3632.

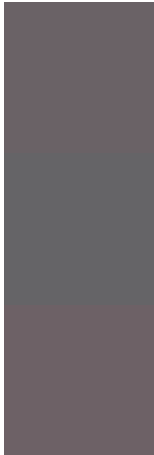


This preview shows how white text looks on a background with the XYZ color 12.7098, 12.7588,

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

12.7098, 12.7588, 14.3632

Protanopia

12.3722, 12.8603, 14.6622

Deuteranopia

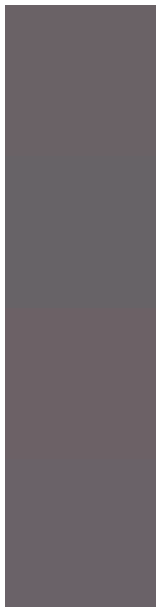
12.9796, 12.7599, 14.3492



Tritanopia

12.8613, 12.8195, 15.1611

Trichromacy



Original Color

12.7098, 12.7588, 14.3632

Protanomaly

12.5035, 12.7865, 14.6410

Deuteranomaly

12.8573, 12.6968, 14.3435

Tritanomaly

12.8102, 12.7990, 14.8920

Monochromacy



Original Color

12.7098, 12.7588, 14.3632

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.4997, 12.9375, 14.1503

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7098, 12.7588, 14.3632 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(106, 98, 102)` looks like.

```
.text, #text, p{  
    color:rgb(106, 98, 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(106, 98, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 98, 102) }
```

Border

The CSS property to change the border of an element to XYZ 12.7098, 12.7588, 14.3632 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(106, 98, 102) }
```


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

```
.border{ border-color:rgb(106, 98, 102) }
```

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

Here you see how a box with a 4 pixel rgb(106, 98, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 98, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 98, 102);  
box-shadow:4px 4px 4px 4px rgb(106, 98,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7098, 12.7588, 14.3632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 98, 102) }
```

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

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