

Converting Colors

XYZ(12.7871, 12.7558, 14.7301)

Have a look what the booklet for
XYZ(12.7871, 12.7558, 14.7301)
contains.

XYZ(12.7597, 12.7788, 14.6260)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.7597, 12.7788,
14.6260)**

Conversions

Conversions Part 1

Format	Color
Hex	6A6267
RGB	106, 98, 103
RGB Percent	42%, 38%, 40%
CMY	0.5843, 0.6157, 0.5961
CMYK	0.00, 0.08, 0.03, 0.58
HSL	323°, 4%, 40%
HSV	323°, 8%, 42%
XYZ	12.7597, 12.7788, 14.6260
YIQ	100.9620, 3.1630, 3.2510

Conversions

Conversions Part 2

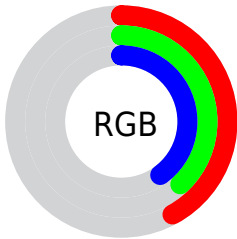
Format	Color
R_{YB}	106, 98, 103
Decimal	6972007
CIE Lab	42.43, 4.17, -1.69
CIE LCh	42, 4.502, 337.954
Yxy	12.7788, 0.3177, 0.3182
Android (android.graphics.Color)	4285162087 (0xFF6A6267)
YUV	100.9620, 1.0047, 4.4183
Hunter-Lab	35.7474, 1.1558, 0.7648

Details

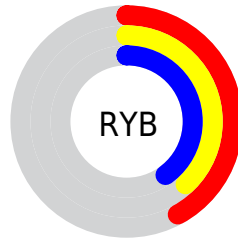
The XYZ color **12.7597, 12.7788, 14.6260** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.5405, 13.8446, 14.3239**, and the grayscale version is **12.3570, 13.0006, 14.1576**.

A 20% lighter version of the original color is **30.4848, 30.9961, 34.9480**, and **3.7454, 3.6713, 4.2526** is the 20% darker color. If you saturate the color by 10%, you get **11.6381, 10.8473, 13.2909**, and if you desaturate by 10%, it is **14.0229, 14.9780, 16.0554**.

Distribution



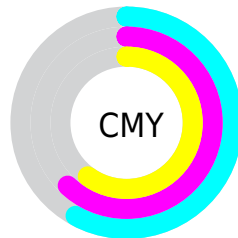
- Red (42%)
- Green (38%)
- Blue (40%)



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



- Cyan (0%)
- Magenta (8%)
- Yellow (3%)
- Black (58%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7597, 12.7788, 14.6260 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 12.7597, 12.7788, 14.6260 by changing the saturation by 10% instead.

■ 12.7597, 12.7788,
14.6260

■ 12.7597, 12.7788,
14.6260

203.0407,
209.4951, 232.6535

■ 7.3391, 7.2764,
8.4136

■ 30.4764, 30.9058,
34.9287

■ 3.7233, 3.6356,
4.2692

■ 43.5032, 44.2992,
49.8561

■ 1.5468, 1.4719,
1.7742

■ 59.7962, 61.0918,
68.5256

■ 0.3574, 0.2688,
0.4108

■ 79.7207, 81.6678,
91.3557

■ 0.0000, 0.0000,
0.0000

103.6420,
106.4118, 118.7651

131.9256,

135.7081, 151.1721

164.9367,
169.9410, 188.9954

■ 12.7597, 12.7788,
14.6260

■ 12.7597, 12.7788,
14.6260

■ 11.6381, 10.8473,
13.2909

■ 14.0229, 14.9780,
16.0554

■ 10.6518, 9.1715,
12.0470

■ 15.4315, 17.4528,
17.5806

■ 9.7955, 7.7409,
10.8919

■ 16.9907, 20.2132,
19.2041

■ 9.0632, 6.5439,
9.8231

■ 18.7050, 23.2679,
20.9279

■ 8.4484, 5.5676,
8.8376

■ 20.5786, 26.6254,
22.7541

7.9441, 4.7980,
7.9324

22.6158, 30.2938,
24.6847

7.5423, 4.2197,
7.1041

24.8204, 34.2807,
26.7216

7.2340, 3.8147,
6.3489

27.1964, 38.5938,
28.8666

6.9918, 3.5286,
5.6571

29.7475, 43.2404,
31.1216

Harmonies

Analogous

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



12.5509, 12.7788, 15.4374



12.7597, 12.7788, 14.6260



12.8025, 12.7788, 13.6574

Triad

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



12.7597, 12.7788, 14.6260



12.0560, 12.7788, 12.1469



11.6394, 12.7788, 15.0931

Complementary

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



12.7597, 12.7788, 14.6260



12.5405, 13.8446, 14.3239

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.



11.5121, 12.7788, 14.1737



12.7597, 12.7788, 14.6260



11.7496, 12.7788, 12.4942

Square

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



12.7597, 12.7788, 14.6260



12.3920, 12.7788, 12.2554



11.5520, 12.7788, 13.2254



11.9030, 12.7788, 15.7157

Rectangle

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



12.7597, 12.7788, 14.6260



12.7304, 12.7788, 13.0576



11.5520, 12.7788, 13.2254



11.5795, 12.7788, 14.8069

Sweetspot

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



12.7601, 12.7794, 14.6263



23.5796, 24.4872, 27.0256



12.3291, 12.5394, 15.4063



5.5326, 5.7520, 6.3410



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.



12.7601, 12.7794, 14.6263



22.0414, 21.8177, 25.2585



12.5673, 12.7022, 13.6111



3.1718, 3.1456, 3.6349



8.5892, 4.2878, 6.7311



43.3346, 21.6758, 32.0285

Inverse Universe

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



12.7601, 12.7794, 14.6263



22.0414, 21.8177, 25.2585



12.7378, 13.9236, 15.3630



3.1718, 3.1456, 3.6349



8.5892, 4.2878, 6.7311



43.3346, 21.6758, 32.0285

Previews

White Background



This preview shows how the XYZ color 12.7597, 12.7788, 14.6260 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 12.7597, 12.7788, 14.6260 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 12.7597, 12.7788, 14.6260

Background



This preview shows how black text looks on a background with the XYZ color 12.7597, 12.7788, 14.6260.



This preview shows how white text looks on a background with the XYZ color 12.7597, 12.7788,

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

12.7597, 12.7788, 14.6260

Protanopia

12.4227, 12.8805, 14.9281

Deuteranopia

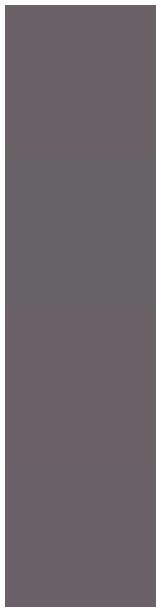
12.9072, 12.7168, 14.6063



Tritanopia

12.8613, 12.8195, 15.1611

Trichromacy



Original Color

12.7597, 12.7788, 14.6260

Protanomaly

12.5540, 12.8067, 14.9070

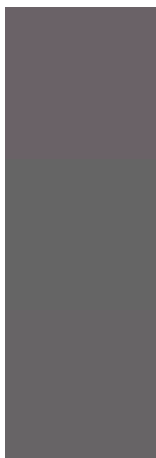
Deuteranomaly

12.7863, 12.6545, 14.6006

Tritanomaly

12.8102, 12.7990, 14.8920

Monochromacy



Original Color

12.7597, 12.7788, 14.6260

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.5490, 12.9572, 14.4100

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7597, 12.7788, 14.6260 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, 103) looks like.

```
.text, #text, p{  
    color:rgb(106, 98, 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(106, 98, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 98, 103) }
```

Border

The CSS property to change the border of an element to XYZ 12.7597, 12.7788, 14.6260 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, 103) }
```


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

```
.border{ border-color:rgb(106, 98, 103) }
```

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, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 98, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 98, 103);  
box-shadow:4px 4px 4px 4px rgb(106, 98,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7597, 12.7788, 14.6260 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, 103) }
```

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

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

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor