

Converting Colors

XYZ(12.6508, 12.7570, 14.8161)

Have a look what the booklet for
XYZ(12.6508, 12.7570, 14.8161)
contains.

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Color

**XYZ(12.6921, 12.7381,
14.8865)**

Conversions

Conversions Part 1

Format	Color
Hex	696268
RGB	105, 98, 104
RGB Percent	41%, 38%, 41%
CMY	0.5882, 0.6157, 0.5922
CMYK	0.00, 0.07, 0.01, 0.59
HSL	309°, 3%, 40%
HSV	309°, 7%, 41%
XYZ	12.6921, 12.7381, 14.8865
YIQ	100.7770, 2.2460, 3.3500

Conversions

Conversions Part 2

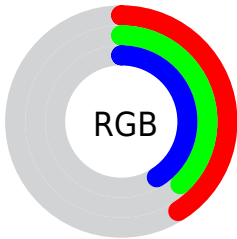
Format	Color
R _Y B	105, 98, 104
Decimal	6906472
CIE Lab	42.37, 3.99, -2.40
CIE LCh	42, 4.655, 328.943
Yxy	12.7381, 0.3148, 0.3160
Android (android.graphics.Color)	4285096552 (0xFF696268)
YUV	100.7770, 1.5889, 3.7036
Hunter-Lab	35.6905, 1.0191, 0.2535

Details

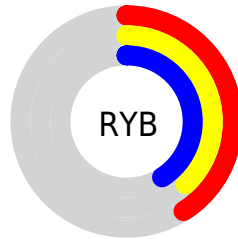
The XYZ color **12.6921, 12.7381, 14.8865** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.3412, 13.6011, 13.7799**, and the grayscale version is **12.3081, 12.9491, 14.1016**.

A 20% lighter version of the original color is **30.3741, 30.9294, 35.3794**, and **3.7114, 3.6509, 4.3800** is the 20% darker color. If you saturate the color by 10%, you get **11.6980, 10.8706, 14.1826**, and if you desaturate by 10%, it is **13.8172, 14.8650, 15.6411**.

Distribution



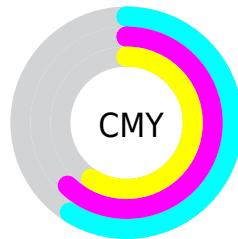
- Red (41%)
- Green (38%)
- Blue (41%)



- Red (41%)
- Yellow (38%)
- Blue (41%)



- Cyan (0%)
- Magenta (7%)
- Yellow (1%)
- Black (59%)



- Cyan (59%)
- Magenta (62%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6921, 12.7381, 14.8865 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 12.6921, 12.7381, 14.8865 by changing the saturation by 10% instead.

■ 12.6921, 12.7381,
14.8865

■ 12.6921, 12.7381,
14.8865

202.6126,
209.2323, 234.2953

■ 7.2924, 7.2484,
8.5940

■ 30.3556, 30.8325,
35.3934

■ 3.6936, 3.6180,
4.3842

■ 43.3500, 44.2060,
50.4450

■ 1.5303, 1.4622,
1.8384

■ 59.6068, 60.9762,
69.2533

■ 0.3463, 0.2619,
0.4531

■ 79.4912, 81.5276,
92.2369

■ 0.0000, 0.0000,
0.0000

103.3686,
106.2445, 119.8144

131.6044,

135.5113, 152.4042

164.5640,
169.7124, 190.4250

■ 12.6921, 12.7381,
14.8865

■ 12.6921, 12.7381,
14.8865

■ 11.6980, 10.8706,
14.1826

■ 13.8172, 14.8650,
15.6411

■ 10.8288, 9.2510,
13.5268

■ 15.0769, 17.2592,
16.4471

■ 10.0796, 7.8691,
12.9176

■ 16.4761, 19.9301,
17.3064

■ 9.4446, 6.7137,
12.3531

■ 18.0189, 22.8862,
18.2204

■ 8.9178, 5.7724,
11.8312

■ 19.7096, 26.1357,
19.1905

■ 8.4924, 5.0317,
11.3496

■ 21.5521, 29.6865,
20.2180

■ 8.1608, 4.4766,
10.9058

■ 23.5500, 33.5460,
21.3043

■ 7.9145, 4.0901,
10.4969

■ 25.7071, 37.7216,
22.4505

■ 7.7305, 3.8260,
10.1151

■ 28.0269, 42.2203,
23.6579

Harmonies

Analogous

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



12.4354, 12.7381, 15.6231



12.6921, 12.7381, 14.8865



12.7917, 12.7381, 13.9052

Triad

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



12.6921, 12.7381, 14.8865



12.1196, 12.7381, 12.0328



11.5285, 12.7381, 14.8221

Complementary

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



12.6921, 12.7381, 14.8865



12.3412, 13.6011, 13.7799

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.



11.4476, 12.7381, 13.8341



12.6921, 12.7381, 14.8865



11.7848, 12.7381, 12.2525

Square

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



12.6921, 12.7381, 14.8865



12.4572, 12.7381, 12.2852



11.5405, 12.7381, 12.9001



11.7638, 12.7381, 15.5847

Rectangle

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



12.6921, 12.7381, 14.8865



12.7541, 12.7381, 13.2541



11.5405, 12.7381, 12.9001



11.4826, 12.7381, 14.5039

Sweetspot

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



12.6925, 12.7387, 14.8868



23.6255, 24.5056, 27.2672



12.0563, 12.4048, 15.1238



5.5424, 5.7559, 6.3928



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.



12.6925, 12.7387, 14.8868



22.4332, 22.2561, 26.4530



12.5216, 12.6703, 13.9870



3.1999, 3.1568, 3.7829



9.7029, 4.7333, 12.5957



49.1966, 24.0206, 62.8972

Inverse Universe

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



12.6925, 12.7387, 14.8868



22.4332, 22.2561, 26.4530



12.5089, 13.6681, 14.6627



3.1999, 3.1568, 3.7829



9.7029, 4.7333, 12.5957



49.1966, 24.0206, 62.8972

Previews

White Background



This preview shows how the XYZ color 12.6921, 12.7381, 14.8865 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 12.6921, 12.7381, 14.8865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

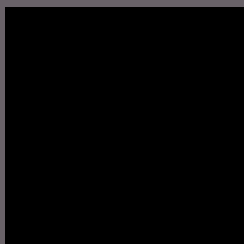
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.6921, 12.7381, 14.8865

Background



This preview shows how black text looks on a background with the XYZ color 12.6921, 12.7381, 14.8865.



This preview shows how white text looks on a background with the XYZ color 12.6921, 12.7381,

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

12.6921, 12.7381, 14.8865

Protanopia

12.2672, 12.6529, 15.1603

Deuteranopia

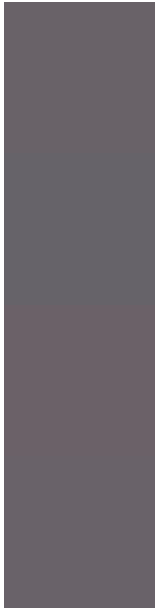
12.9577, 12.7370, 14.8722



Tritanopia

12.7432, 12.7585, 15.1556

Trichromacy



Original Color

12.6921, 12.7381, 14.8865

Protanomaly

12.4911, 12.7684, 15.1708

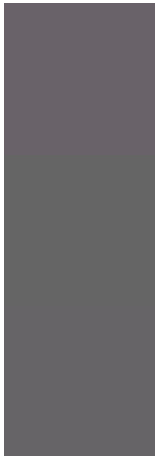
Deuteranomaly

12.8368, 12.6747, 14.8666

Tritanomaly

12.7432, 12.7585, 15.1556

Monochromacy



Original Color

12.6921, 12.7381, 14.8865

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.4349, 12.8984, 14.4046

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6921, 12.7381, 14.8865 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(105, 98, 104)` looks like.

```
.text, #text, p{  
    color:rgb(105, 98, 104)  
}
```

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(105, 98, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 98, 104) }
```

Border

The CSS property to change the border of an element to XYZ 12.6921, 12.7381, 14.8865 is called "border". The border property can be set on classes, ids or directly on the HTML element.

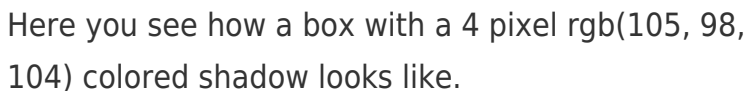
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 98, 104) }
```


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

```
.border{ border-color:rgb(105, 98, 104) }
```

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



Here you see how a box with a 4 pixel `rgb(105, 98, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(105, 98, 104); -webkit-box-shadow:4px 4px 4px 4px rgb(105, 98, 104); box-shadow:4px 4px 4px 4px rgb(105, 98, 104) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6921, 12.7381, 14.8865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 98, 104) }
```

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

```
.background{ background-color: rgb(105, 98,  
104) }
```

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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