

Converting Colors

XYZ(12.6779, 14.1404, 15.1192)

Have a look what the booklet for
XYZ(12.6779, 14.1404, 15.1192)
contains.

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Color

**XYZ(12.6851, 14.2114,
15.1712)**

Conversions

Conversions Part 1

Format	Color
Hex	606C68
RGB	96, 108, 104
RGB Percent	38%, 42%, 41%
CMY	0.6235, 0.5765, 0.5922
CMYK	0.11, 0.00, 0.04, 0.58
HSL	160°, 6%, 40%
HSV	160°, 11%, 42%
XYZ	12.6851, 14.2114, 15.1712
YIQ	103.9560, -5.8680, -3.7880

Conversions

Conversions Part 2

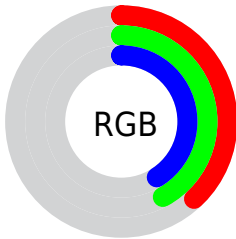
Format	Color
R_{YB}	96, 103, 108
Decimal	6319208
CIE Lab	44.53, -5.41, 0.68
CIE LCh	45, 5.450, 172.781
Yxy	14.2114, 0.3015, 0.3378
Android (android.graphics.Color)	4284509288 (0xFF606C68)
YUV	103.9560, 0.0217, -6.9774
Hunter-Lab	37.6980, -5.9076, 2.5279

Details

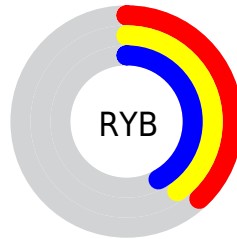
The XYZ color **12.6851, 14.2114, 15.1712** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.6679, 12.4743, 13.7973**, and the grayscale version is **13.1477, 13.8324, 15.0635**.

A 20% lighter version of the original color is **30.3472, 33.3659, 35.8511**, and **3.7227, 4.3110, 4.5068** is the 20% darker color. If you saturate the color by 10%, you get **11.4470, 13.5942, 14.1789**, and if you desaturate by 10%, it is **14.0880, 14.9134, 16.2126**.

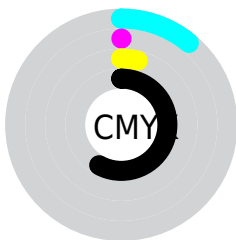
Distribution



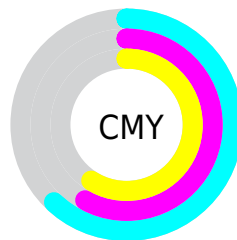
- Red (38%)
- Green (42%)
- Blue (41%)



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



- Cyan (11%)
- Magenta (0%)
- Yellow (4%)
- Black (58%)



- Cyan (62%)
- Magenta (58%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6851, 14.2114, 15.1712 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 12.6851, 14.2114, 15.1712 by changing the saturation by 10% instead.

■ 12.6851, 14.2114,
15.1712

■ 12.6851, 14.2114,
15.1712

202.5682,
218.5420, 236.0765

■ 7.2876, 8.2678,
8.7917

■ 30.3430, 33.4637,
35.8998

■ 3.6905, 4.2668,
4.5106

■ 43.3341, 47.5411,
51.0859

■ 1.5286, 1.8239,
1.9094

■ 59.5872, 65.0987,
70.0447

■ 0.3452, 0.5020,
0.4987

■ 79.4674, 86.5208,
93.1945

■ 0.0000, 0.0000,
0.0000

103.3403,
112.1918, 120.9541

131.5712,

142.4961, 153.7420

164.5253,
177.8180, 191.9766

■ 12.6851, 14.2114,
15.1712

■ 12.6851, 14.2114,
15.1712

■ 11.4470, 13.5942,
14.1789

■ 14.0880, 14.9134,
16.2126

■ 10.3661, 13.0568,
13.2340

■ 15.6604, 15.7015,
17.3029

■ 9.4358, 12.5961,
12.3358

■ 17.4087, 16.5794,
18.4432

■ 8.6488, 12.2085,
11.4837

■ 19.3382, 17.5497,
19.6343

■ 7.9972, 11.8897,
10.6766

■ 21.4541, 18.6152,
20.8767

■ 7.4720, 11.6353,
9.9136

■ 23.7615, 19.7784,
22.1714

■ 7.0633, 11.4401,
9.1936

■ 26.2653, 21.0419,
23.5188

■ 6.7596, 11.2983,
8.5156

■ 28.9700, 22.4081,
24.9197

■ 6.5323, 11.1935,
7.9457

■ 31.8801, 23.8791,
26.3747

Harmonies

Analogous

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



12.8446, 14.2114, 14.0534



12.6851, 14.2114, 15.1712



12.7421, 14.2114, 16.4315

Triad

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



12.6851, 14.2114, 15.1712



13.8379, 14.2114, 17.8180



14.0260, 14.2114, 13.6226

Complementary

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



12.6851, 14.2114, 15.1712



12.6679, 12.4743, 13.7973

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.



14.3030, 14.2114, 14.5540



12.6851, 14.2114, 15.1712



14.1928, 14.2114, 16.9868

Square

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



12.6851, 14.2114, 15.1712



13.4014, 14.2114, 18.0053



14.3647, 14.2114, 15.7804



13.6141, 14.2114, 13.1914

Rectangle

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



12.6851, 14.2114, 15.1712



12.8958, 14.2114, 17.1793



14.3647, 14.2114, 15.7804



14.1383, 14.2114, 13.8851

Sweetspot

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



12.6855, 14.2120, 15.1715



24.2239, 25.9267, 28.0952



12.7520, 14.2910, 13.1528



5.8205, 6.2540, 6.7691



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.



12.6855, 14.2120, 15.1715



21.7582, 24.6942, 26.2364



12.7058, 13.9194, 16.2051



3.1410, 3.4756, 3.7264



7.7782, 13.3454, 9.4093



39.2187, 67.8346, 45.7599

Inverse Universe

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



12.6679, 12.4743, 13.7973



21.7217, 21.0816, 23.3798



12.6451, 12.7310, 12.8573



3.1375, 3.1319, 3.4546



7.7445, 3.9499, 2.2833



39.0951, 19.9800, 9.7036

Previews

White Background



This preview shows how the XYZ color 12.6851, 14.2114, 15.1712 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 12.6851, 14.2114, 15.1712 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

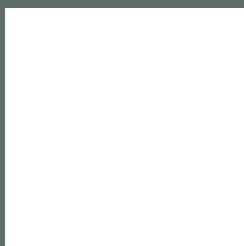
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.6851, 14.2114, 15.1712

Background



This preview shows how black text looks on a background with the XYZ color 12.6851, 14.2114, 15.1712.



This preview shows how white text looks on a background with the XYZ color 12.6851, 14.2114,

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

12.6851, 14.2114, 15.1712

Protanopia

13.6342, 14.2506, 14.6024

Deuteranopia

14.3714, 14.1675, 15.3417



Tritanopia

13.2855, 14.1425, 18.2492

Trichromacy



Original Color

12.6851, 14.2114, 15.1712

Protanomaly

13.3111, 14.2304, 14.8771

Deuteranomaly

13.6845, 14.1087, 15.3666

Tritanomaly

13.0567, 14.2045, 17.0925

Monochromacy



Original Color

12.6851, 14.2114, 15.1712

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.9171, 13.8693, 15.0929

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6851, 14.2114, 15.1712 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, 108, 104) looks like.

```
.text, #text, p{  
    color:rgb(96, 108, 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(96, 108, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 108, 104) }
```

Border

The CSS property to change the border of an element to XYZ 12.6851, 14.2114, 15.1712 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, 108, 104) }
```


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

```
.border{ border-color:rgb(96, 108, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 108, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 108, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 108, 104);  
box-shadow:4px 4px 4px 4px rgb(96, 108,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6851, 14.2114, 15.1712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 108, 104) }
```

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

```
.background{ background-color: rgb(96, 108,  
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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