

Converting Colors

XYZ(12.0165, 14.1301, 15.0919)

Have a look what the booklet for
XYZ(12.0165, 14.1301, 15.0919)
contains.

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Color

**XYZ(12.0991, 14.2260,
15.2049)**

Conversions

Conversions Part 1

Format	Color
Hex	586E68
RGB	88, 110, 104
RGB Percent	35%, 43%, 41%
CMY	0.6549, 0.5686, 0.5922
CMYK	0.20, 0.00, 0.05, 0.57
HSL	164°, 11%, 39%
HSV	164°, 20%, 43%
XYZ	12.0991, 14.2260, 15.2049
YIQ	102.7380, -11.1860, -6.5300

Conversions

Conversions Part 2

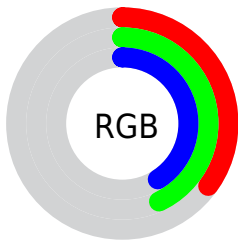
Format	Color
R _Y B	88, 101, 110
Decimal	5795432
CIE Lab	44.56, -9.49, 0.64
CIE LCh	45, 9.515, 176.120
Yxy	14.2260, 0.2913, 0.3425
Android (android.graphics.Color)	4283985512 (0xFF586E68)
YUV	102.7380, 0.6222, -12.9252
Hunter-Lab	37.7174, -8.7456, 2.5007

Details

The XYZ color **12.0991, 14.2260, 15.2049** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.9410, 11.1030, 12.1040**, and the grayscale version is **12.8238, 13.4916, 14.6924**.

A 20% lighter version of the original color is **29.3180, 33.6105, 35.9526**, and **3.4160, 4.2329, 4.5079** is the 20% darker color. If you saturate the color by 10%, you get **10.9858, 13.6697, 14.3715**, and if you desaturate by 10%, it is **13.3758, 14.8666, 16.0749**.

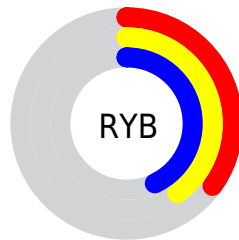
Distribution



Red (35%)

Green (43%)

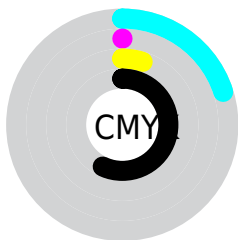
Blue (41%)



Red (35%)

Yellow (40%)

Blue (43%)

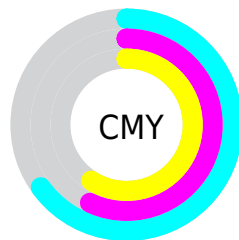


Cyan (20%)

Magenta (0%)

Yellow (5%)

Black (57%)



Cyan (65%)

Magenta (57%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0991, 14.2260, 15.2049 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 12.0991, 14.2260, 15.2049 by changing the saturation by 10% instead.

■ 12.0991, 14.2260,
15.2049

■ 12.0991, 14.2260,
15.2049

198.8168,
218.6323, 236.2864

■ 6.8839, 8.2780,
8.8151

■ 29.2908, 33.4895,
35.9596

■ 3.4353, 4.2734,
4.5256

■ 41.9979, 47.5738,
51.1616

■ 1.3879, 1.8276,
1.9179

■ 57.9331, 65.1390,
70.1381

■ 0.2476, 0.5043,
0.5041

■ 77.4617, 86.5695,
93.3075

■ 0.0000, 0.0000,
0.0000

■ 100.9489,
112.2497, 121.0886

128.7603,

142.5639, 153.8997

161.2612,
177.8967, 192.1595

■ 12.0991, 14.2260,
15.2049

■ 12.0991, 14.2260,
15.2049

■ 10.9858, 13.6697,
14.3715

■ 13.3758, 14.8666,
16.0749

■ 10.0276, 13.1924,
13.5731

■ 14.8213, 15.5933,
16.9811

■ 9.2173, 12.7908,
12.8093

■ 16.4423, 16.4097,
17.9243

■ 8.5466, 12.4605,
12.0795

■ 18.2448, 17.3191,
18.9053

■ 8.0064, 12.1969,
11.3830

■ 20.2342, 18.3242,
19.9244

■ 7.5866, 11.9948,
10.7189

■ 22.4162, 19.4278,
20.9823

■ 7.2754, 11.8480,
10.0864

■ 24.7957, 20.6327,
22.0793

■ 7.0240, 11.7315,
9.4829

■ 27.3780, 21.9414,
23.2161

■ 30.1676, 23.3564,
24.3932

Harmonies

Analogous

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



12.3306, 14.2260, 13.2469



12.0991, 14.2260, 15.2049



12.2367, 14.2260, 17.4299

Triad

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



12.0991, 14.2260, 15.2049



14.1829, 14.2260, 19.6117



14.3625, 14.2260, 12.2332

Complementary

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



12.0991, 14.2260, 15.2049



11.9410, 11.1030, 12.1040

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.



14.8930, 14.2260, 13.6991



12.0991, 14.2260, 15.2049



14.7865, 14.2260, 17.9724

Square

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



12.0991, 14.2260, 15.2049



13.4216, 14.2260, 20.1106



15.0510, 14.2260, 15.7780



13.6217, 14.2260, 11.6371

Rectangle

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



12.0991, 14.2260, 15.2049



12.5221, 14.2260, 18.7470



15.0510, 14.2260, 15.7780



14.5724, 14.2260, 12.6334

Sweetspot

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



12.0995, 14.2266, 15.2052



24.4288, 26.5795, 28.8331



11.9779, 14.2490, 11.3518



5.6594, 6.1724, 6.6935



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.



12.0995, 14.2266, 15.2052



20.3061, 24.5122, 26.0153



11.9148, 13.3517, 16.7017



3.4380, 3.8004, 4.1129



8.4252, 14.0876, 11.3258



41.5938, 70.0262, 54.4395

Inverse Universe

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



11.9410, 11.1030, 12.1040



19.9742, 17.9637, 19.5157



12.0862, 11.8078, 10.8749



3.4184, 3.4151, 3.7302



7.9952, 4.0904, 1.7845



39.5086, 20.2488, 7.2107

Previews

White Background



This preview shows how the XYZ color 12.0991, 14.2260, 15.2049 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 12.0991, 14.2260, 15.2049 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

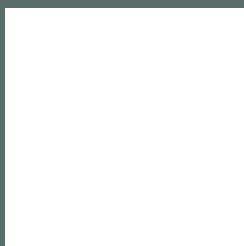
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.0991, 14.2260, 15.2049

Background



This preview shows how black text looks on a background with the XYZ color 12.0991, 14.2260, 15.2049.



This preview shows how white text looks on a background with the XYZ color 12.0991, 14.2260,

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

12.0991, 14.2260, 15.2049

Protanopia

13.5849, 14.2309, 14.3428

Deuteranopia

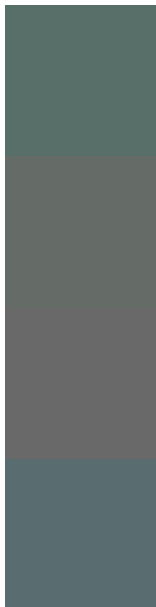
14.4231, 14.1882, 15.6141



Tritanopia

12.7899, 14.1831, 18.8931

Trichromacy



Original Color

12.0991, 14.2260, 15.2049

Protanomaly

13.0228, 14.2414, 14.6329

Deuteranomaly

13.4271, 14.1263, 15.3836

Tritanomaly

12.5131, 14.2310, 17.4166

Monochromacy



Original Color

12.0991, 14.2260, 15.2049

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.6392, 13.8840, 14.8457

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0991, 14.2260, 15.2049 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(88, 110, 104) looks like.

```
.text, #text, p{  
    color:rgb(88, 110, 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(88, 110, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 110, 104) }
```

Border

The CSS property to change the border of an element to XYZ 12.0991, 14.2260, 15.2049 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(88, 110, 104) }
```


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

```
.border{ border-color:rgb(88, 110, 104) }
```

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

Here you see how a box with a 4 pixel rgb(88, 110, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 110, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 110, 104);  
box-shadow:4px 4px 4px 4px rgb(88, 110,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0991, 14.2260, 15.2049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 110, 104) }
```

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

```
.background{ background-color: rgb(88, 110,  
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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