

Converting Colors

XYZ(12.1613, 14.0266, 11.2994)

Have a look what the booklet for
XYZ(12.1613, 14.0266, 11.2994)
contains.

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Color

**XYZ(12.1610, 14.0264,
11.2989)**

Conversions

Conversions Part 1

Format	Color
Hex	626C58
RGB	98, 108, 88
RGB Percent	38%, 42%, 35%
CMY	0.6157, 0.5765, 0.6549
CMYK	0.09, 0.00, 0.19, 0.58
HSL	90°, 10%, 38%
HSV	90°, 19%, 42%
XYZ	12.1610, 14.0264, 11.2989
YIQ	102.7300, 0.4600, -8.3400

Conversions

Conversions Part 2

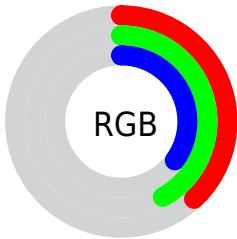
Format	Color
R_{YB}	88, 108, 98
Decimal	6450264
CIE _{Lab}	44.27, -7.84, 9.93
CIE _{LCh}	44, 12.651, 128.283
Yxy	14.0264, 0.3244, 0.3742
Android (android.graphics.Color)	4284640344 (0xFF626C58)
YUV	102.7300, -7.2619, -4.1482
Hunter-Lab	37.4518, -7.5799, 8.3290

Details

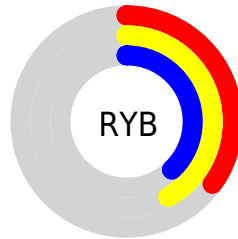
The XYZ color **12.1610, 14.0264, 11.2989** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.2341, 10.6592, 15.6535**, and the grayscale version is **12.8396, 13.5083, 14.7105**.

A 20% lighter version of the original color is **29.3800, 33.0208, 28.8699**, and **3.4700, 4.2157, 2.9163** is the 20% darker color. If you saturate the color by 10%, you get **11.1832, 13.5707, 9.0883**, and if you desaturate by 10%, it is **13.2452, 14.5301, 13.8611**.

Distribution



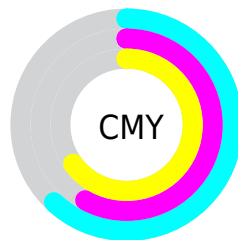
- Red (38%)
- Green (42%)
- Blue (35%)



- Red (35%)
- Yellow (42%)
- Blue (38%)



- Cyan (9%)
- Magenta (0%)
- Yellow (19%)
- Black (58%)



- Cyan (62%)
- Magenta (58%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1610, 14.0264, 11.2989 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 12.1610, 14.0264, 11.2989 by changing the saturation by 10% instead.

■ 12.1610, 14.0264,
11.2989

■ 12.1610, 14.0264,
11.2989

199.2165,
217.3950, 210.5174

■ 6.9264, 8.1390,
6.1516

■ 29.4023, 33.1359,
28.8566

■ 3.4620, 4.1840,
2.8672

■ 42.1397, 47.1267,
42.1041

■ 1.4025, 1.7770,
1.0272

■ 58.1088, 64.5876,
58.8887

■ 0.2580, 0.4728,
0.0000

■ 77.6749, 85.9028,
79.6289

■ 0.0000, 0.0000,
0.0000

■ 101.2034,
111.4567, 104.7434

129.0595,

141.6338, 134.6506

161.6088,
176.8184, 169.7691

■ 12.1610, 14.0264,
11.2989

■ 12.1610, 14.0264,
11.2989

■ 11.1832, 13.5707,
9.0883

■ 13.2452, 14.5301,
13.8611

■ 10.3071, 13.1596,
7.2132

■ 14.4381, 15.0815,
16.7884

■ 9.5290, 12.7921,
5.6572

■ 15.7434, 15.6826,
20.0947

■ 8.8447, 12.4664,
4.4025

■ 17.1643, 16.3347,
23.7928

■ 8.2498, 12.1806,
3.4296

■ 18.7038, 17.0392,
27.8952

■ 7.7390, 11.9326,
2.7164

■ 20.3647, 17.7972,
32.4134

■ 7.3068, 11.7199,
2.2378

■ 22.1500, 18.6099,
37.3588

■ 6.9358, 11.5356,
1.9069

■ 24.0622, 19.4785,
42.7423

■ 6.8838, 11.5098,
1.8588

■ 26.1040, 20.4041,
48.5742

Harmonies

Analogous

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



13.0530, 14.0264, 10.3908



12.1610, 14.0264, 11.2989



11.6028, 14.0264, 13.3000

Triad

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



12.1610, 14.0264, 11.2989



12.6239, 14.0264, 21.0628



15.3534, 14.0264, 14.4827

Complementary

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



12.1610, 14.0264, 11.2989



11.2341, 10.6592, 15.6535

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.



15.2243, 14.0264, 17.4307



12.1610, 14.0264, 11.2989



13.6143, 14.0264, 21.4840

Square

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



12.1610, 14.0264, 11.2989



11.8605, 14.0264, 18.9955



14.5752, 14.0264, 20.0827



14.9197, 14.0264, 12.0705

Rectangle

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



12.1610, 14.0264, 11.2989



11.4781, 14.0264, 15.1059



14.5752, 14.0264, 20.0827



15.3748, 14.0264, 15.4401

Sweetspot

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



12.1614, 14.0270, 11.2992



23.7284, 25.7285, 25.4861



12.3140, 12.6286, 11.0212



5.7212, 6.2172, 6.1151



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.



12.1614, 14.0270, 11.2992



20.6275, 24.2884, 18.1807



11.1489, 13.5051, 11.2518



3.1947, 3.5121, 3.3270



8.1787, 13.7115, 2.2155



40.6718, 69.3492, 11.2421

Inverse Universe

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



11.2341, 10.6592, 15.6535



18.6949, 17.2694, 27.2557



12.3814, 11.2507, 15.7072



3.0791, 3.0925, 3.8695



5.0121, 2.2109, 17.0848



24.5366, 10.7487, 87.0077

Previews

White Background



This preview shows how the XYZ color 12.1610, 14.0264, 11.2989 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 12.1610, 14.0264, 11.2989 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

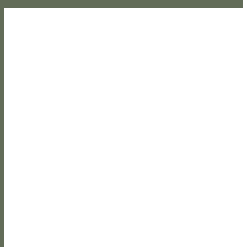
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.1610, 14.0264, 11.2989

Background



This preview shows how black text looks on a background with the XYZ color 12.1610, 14.0264, 11.2989.



This preview shows how white text looks on a background with the XYZ color 12.1610, 14.0264,

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

12.1610, 14.0264, 11.2989

Protanopia

13.1856, 13.9520, 10.8022

Deuteranopia

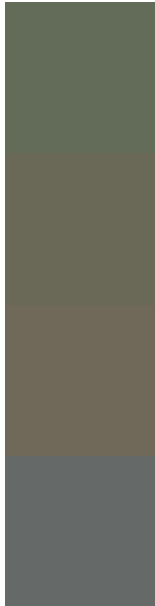
14.2449, 14.0386, 11.6318



Tritanopia

13.5117, 14.1202, 17.6361

Trichromacy



Original Color

12.1610, 14.0264, 11.2989

Protanomaly

12.7157, 13.8554, 11.0210

Deuteranomaly

13.4356, 14.0666, 11.4582

Tritanomaly

13.0196, 14.0742, 15.1271

Monochromacy



Original Color

12.1610, 14.0264, 11.2989

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.6230, 13.7517, 13.5443

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1610, 14.0264, 11.2989 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(98, 108, 88) looks like.

```
.text, #text, p{  
    color:rgb(98, 108, 88)  
}
```

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(98, 108, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 108, 88) }
```

Border

The CSS property to change the border of an element to XYZ 12.1610, 14.0264, 11.2989 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(98, 108, 88) }
```


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

```
.border{ border-color:rgb(98, 108, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 108, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 108, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 108, 88);  
box-shadow:4px 4px 4px 4px rgb(98, 108,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1610, 14.0264, 11.2989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 108, 88) }
```

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

```
.background{ background-color: rgb(98, 108,  
88) }
```

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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