

Converting Colors

XYZ(12.4914, 14.1097, 8.1961)

Have a look what the booklet for
XYZ(12.4914, 14.1097, 8.1961)
contains.

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Color

**XYZ(12.4908, 14.1091,
8.1959)**

Conversions

Conversions Part 1

Format	Color
Hex	6B6B48
RGB	107, 107, 72
RGB Percent	42%, 42%, 28%
CMY	0.5804, 0.5804, 0.7176
CMYK	0.00, 0.00, 0.33, 0.58
HSL	60°, 20%, 35%
HSV	60°, 33%, 42%
XYZ	12.4908, 14.1091, 8.1959
YIQ	103.0100, 11.2350, -10.8850

Conversions

Conversions Part 2

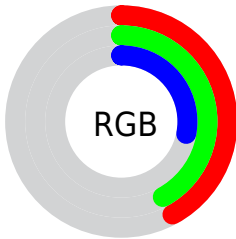
Format	Color
R_{YB}	72, 107, 72
Decimal	7039816
CIE _{Lab}	44.39, -6.09, 19.67
CIE _{LCh}	44, 20.595, 107.201
Yxy	14.1091, 0.3590, 0.4055
Android (android.graphics.Color)	4285229896 (0xFF6B6B48)
YUV	103.0100, -15.2879, 3.4992
Hunter-Lab	37.5621, -6.3757, 13.3566

Details

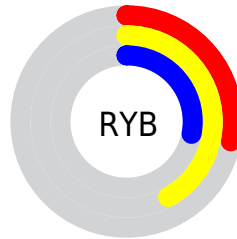
The XYZ color **12.4908, 14.1091, 8.1959** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.6443, 7.0744, 14.8734**, and the grayscale version is **12.9322, 13.6056, 14.8165**.

A 20% lighter version of the original color is **29.9761, 33.2051, 22.9185**, and **3.6291, 4.2454, 1.7268** is the 20% darker color. If you saturate the color by 10%, you get **12.1717, 13.9820, 6.5148**, and if you desaturate by 10%, it is **12.8714, 14.2618, 10.1977**.

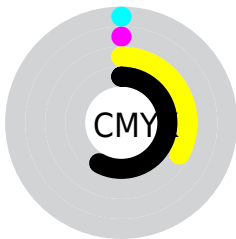
Distribution



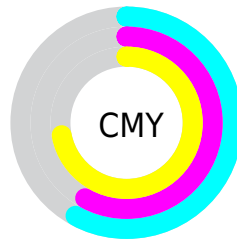
- Red (42%)
- Green (42%)
- Blue (28%)



- Red (28%)
- Yellow (42%)
- Blue (28%)



- Cyan (0%)
- Magenta (0%)
- Yellow (33%)
- Black (58%)



- Cyan (58%)
- Magenta (58%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4908, 14.1091, 8.1959 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 12.4908, 14.1091, 8.1959 by changing the saturation by 10% instead.

■ 12.4908, 14.1091,
8.1959

■ 12.4908, 14.1091,
8.1959

201.3322,
217.9085, 187.2522

■ 7.1534, 8.1966,
4.1310

■ 29.9951, 33.2825,
22.8941

■ 3.6054, 4.2210,
1.6975

■ 42.8927, 47.3121,
34.3644

■ 1.4814, 1.7979,
0.3590

■ 59.0410, 64.8163,
49.1403

■ 0.3131, 0.4859,
0.0000

■ 78.8056, 86.1794,
67.6403

■ 0.0000, 0.0000,
0.0000

■ 102.5516,
111.7857, 90.2830

130.6445,

142.0198, 117.4868

163.4496,
177.2659, 149.6704

■ 12.4908, 14.1091,
8.1959

■ 12.4908, 14.1091,
8.1959

■ 12.1717, 13.9820,
6.5148

■ 12.8714, 14.2618,
10.1977

■ 11.9100, 13.8772,
5.1368

■ 13.3153, 14.4394,
12.5348

■ 11.7024, 13.7942,
4.0444

■ 13.8257, 14.6436,
15.2217

■ 11.5452, 13.7313,
3.2173

■ 14.4050, 14.8753,
18.2721

■ 11.4341, 13.6869,
2.6331

■ 15.0559, 15.1357,
21.6988

■ 11.3634, 13.6586,
2.2614

■ 15.7805, 15.4256,
25.5140

■ 11.3206, 13.6414,
2.0364

■ 16.5811, 15.7458,
29.7294

■ 17.4599, 16.0973,
34.3561

■ 18.4187, 16.4809,
39.4048

Harmonies

Analogous

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



14.1278, 14.1091, 8.0773



12.4908, 14.1091, 8.1959



11.2077, 14.1091, 9.9638

Triad

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



12.4908, 14.1091, 8.1959



11.3618, 14.1091, 23.0691



16.7599, 14.1091, 17.4716

Complementary

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



12.4908, 14.1091, 8.1959



7.6443, 7.0744, 14.8734

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.



15.8841, 14.1091, 22.4258



12.4908, 14.1091, 8.1959



12.7174, 14.1091, 26.0769

Square

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



12.4908, 14.1091, 8.1959



10.5936, 14.1091, 18.2191



14.3738, 14.1091, 25.8199



16.6866, 14.1091, 12.8211

Rectangle

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



12.4908, 14.1091, 8.1959



10.6847, 14.1091, 12.0938



14.3738, 14.1091, 25.8199



16.5639, 14.1091, 19.1725

Sweetspot

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



12.4912, 14.1097, 8.1962



24.0523, 25.9386, 23.5538



9.5510, 8.2288, 7.2160



5.7992, 6.2693, 5.5825



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.



12.4912, 14.1097, 8.1962



21.9329, 25.0908, 12.3969



10.5959, 13.1327, 8.1075



3.3331, 3.5835, 3.3335



13.7713, 16.5946, 2.4772



70.1705, 84.5563, 12.6226

Inverse Universe

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



7.6443, 7.0744, 14.8734



11.8414, 10.4427, 26.2992



9.1396, 7.8453, 14.9434



2.9484, 3.0252, 3.8634



3.2287, 1.2915, 17.0014



16.4512, 6.5805, 86.6293

Previews

White Background



This preview shows how the XYZ color 12.4908, 14.1091, 8.1959 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 12.4908, 14.1091, 8.1959 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

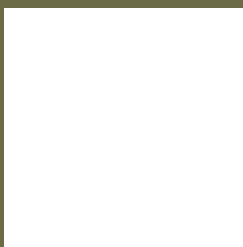
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.4908, 14.1091, 8.1959

Background



This preview shows how black text looks on a background with the XYZ color 12.4908, 14.1091, 8.1959.



This preview shows how white text looks on a background with the XYZ color 12.4908, 14.1091,

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

12.4908, 14.1091, 8.1959

Protanopia

13.1283, 14.1355, 7.9977

Deuteranopia

14.2172, 13.9554, 8.2477



Tritanopia

14.2479, 14.0733, 16.7173

Trichromacy



Original Color

12.4908, 14.1091, 8.1959

Protanomaly

12.8469, 14.1425, 8.0139

Deuteranomaly

13.5241, 14.0331, 8.2992

Tritanomaly

13.4920, 14.0602, 13.0691

Monochromacy



Original Color

12.4908, 14.1091, 8.1959

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.5910, 13.6164, 12.0898

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4908, 14.1091, 8.1959 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(107, 107, 72)` looks like.

```
.text, #text, p{  
    color:rgb(107, 107, 72)  
}
```

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(107, 107, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 107, 72) }
```

Border

The CSS property to change the border of an element to XYZ 12.4908, 14.1091, 8.1959 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(107, 107, 72) }
```


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

```
.border{ border-color:rgb(107, 107, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 107, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 107, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 107, 72);  
box-shadow:4px 4px 4px 4px rgb(107, 107,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4908, 14.1091, 8.1959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 107, 72) }
```

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

```
.background{ background-color: rgb(107,  
107, 72) }
```

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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