

Converting Colors

XYZ(12.8793, 14.5384, 14.5746)

Have a look what the booklet for
XYZ(12.8793, 14.5384, 14.5746)
contains.

XYZ(12.9039, 14.4933, 14.6877)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.9039, 14.4933,
14.6877)**

Conversions

Conversions Part 1

Format	Color
Hex	626D66
RGB	98, 109, 102
RGB Percent	38%, 43%, 40%
CMY	0.6157, 0.5725, 0.6000
CMYK	0.10, 0.00, 0.06, 0.57
HSL	142°, 5%, 41%
HSV	142°, 10%, 43%
XYZ	12.9039, 14.4933, 14.6877
YIQ	104.9130, -4.3090, -4.5090

Conversions

Conversions Part 2

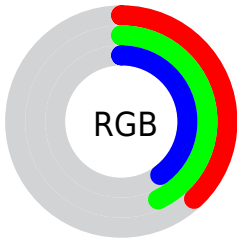
Format	Color
RYB	98, 106, 109
Decimal	6450534
CIELab	44.93, -5.66, 2.48
CIElCh	45, 6.181, 156.307
Yxy	14.4933, 0.3066, 0.3444
Android (android.graphics.Color)	4284640614 (0xFF626D66)
YUV	104.9130, -1.4361, -6.0627
Hunter-Lab	38.0701, -6.1198, 3.7745

Details

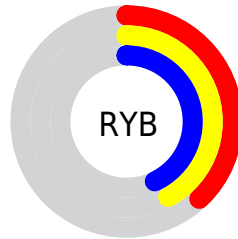
The XYZ color **12.9039, 14.4933, 14.6877** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.2247, 13.0068, 15.1789**, and the grayscale version is **13.4087, 14.1069, 15.3625**.

A 20% lighter version of the original color is **30.7150, 33.8311, 35.0482**, and **3.8284, 4.4511, 4.2718** is the 20% darker color. If you saturate the color by 10%, you get **11.4772, 13.7963, 12.8996**, and if you desaturate by 10%, it is **14.5204, 15.2856, 16.6356**.

Distribution



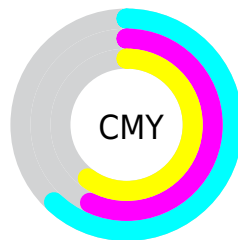
- Red (38%)
- Green (43%)
- Blue (40%)



- Red (38%)
- Yellow (42%)
- Blue (43%)



- Cyan (10%)
- Magenta (0%)
- Yellow (6%)
- Black (57%)



- Cyan (62%)
- Magenta (57%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9039, 14.4933, 14.6877 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 12.9039, 14.4933, 14.6877 by changing the saturation by 10% instead.

■ 12.9039, 14.4933,
14.6877

■ 12.9039, 14.4933,
14.6877

203.9509,
220.2784, 233.0434

■ 7.4389, 8.4646,
8.4563

■ 30.7338, 33.9618,
35.0389

■ 3.7869, 4.3936,
4.2964

■ 43.8295, 48.1703,
49.9958

■ 1.5823, 1.8961,
1.7893

■ 60.1994, 65.8742,
68.6983

■ 0.3808, 0.5460,
0.4209

■ 80.2090, 87.4579,
91.5649

■ 0.0000, 0.0000,
0.0000

104.2236,
113.3058, 119.0142

132.6086,

143.8023, 151.4646

165.7292,
179.3317, 189.3349

■ 12.9039, 14.4933,
14.6877

■ 12.9039, 14.4933,
14.6877

■ 11.4772, 13.7963,
12.8996

■ 14.5204, 15.2856,
16.6356

■ 10.2320, 13.1893,
11.2665

■ 16.3322, 16.1748,
18.7462

■ 9.1611, 12.6689,
9.7843

■ 18.3462, 17.1647,
21.0235

■ 8.2563, 12.2311,
8.4488

■ 20.5685, 18.2585,
23.4712

■ 7.5088, 11.8714,
7.2555

■ 23.0049, 19.4590,
26.0927

■ 6.9090, 11.5849,
6.1994

■ 25.6610, 20.7691,
28.8915

■ 6.4460, 11.3662,
5.2756

■ 28.5423, 22.1915,
31.8707

■ 6.1074, 11.2089,
4.4787

■ 31.6539, 23.7288,
35.0336

■ 5.8457, 11.0886,
3.8069

■ 35.0010, 25.3836,
38.3833

Harmonies

Analogous

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



13.2076, 14.4933, 13.6408



12.9039, 14.4933, 14.6877



12.8312, 14.4933, 16.0887

Triad

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



12.9039, 14.4933, 14.6877



13.8826, 14.4933, 18.7143



14.5742, 14.4933, 14.1883

Complementary

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



12.9039, 14.4933, 14.6877



13.2247, 13.0068, 15.1789

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.



14.7649, 14.4933, 15.4767



12.9039, 14.4933, 14.6877



14.3594, 14.4933, 18.1335

Square

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



12.9039, 14.4933, 14.6877



13.3883, 14.4933, 18.4712



14.6854, 14.4933, 16.9267



14.1700, 14.4933, 13.3651

Rectangle

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



12.9039, 14.4933, 14.6877



12.9219, 14.4933, 17.0476



14.6854, 14.4933, 16.9267



14.6658, 14.4933, 14.5782

Sweetspot

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



12.9043, 14.4939, 14.6880



25.0983, 26.9279, 28.7142



13.5171, 14.8322, 13.7059



5.7931, 6.2431, 6.6252



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.



12.9043, 14.4939, 14.6880



22.5048, 25.6581, 25.5582



13.1784, 14.6036, 16.1316



3.1053, 3.4613, 3.5381



6.8259, 12.9644, 4.3944



34.3952, 65.9052, 20.3601

Inverse Universe

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



13.2247, 13.0068, 15.1789



23.1956, 22.4515, 26.6165



12.9581, 12.9002, 13.7752



3.1732, 3.1461, 3.6422



8.6346, 4.3060, 6.9705



43.5700, 21.7699, 33.2680

Previews

White Background



This preview shows how the XYZ color 12.9039, 14.4933, 14.6877 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 12.9039, 14.4933, 14.6877 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

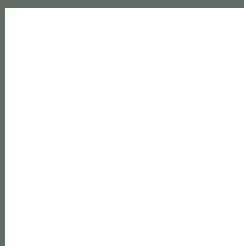
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.9039, 14.4933, 14.6877

Background



This preview shows how black text looks on a background with the XYZ color 12.9039, 14.4933, 14.6877.



This preview shows how white text looks on a background with the XYZ color 12.9039, 14.4933,

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

12.9039, 14.4933, 14.6877

Protanopia

13.7610, 14.4794, 14.1261

Deuteranopia

14.6345, 14.4617, 14.8520



Tritanopia

13.6077, 14.4625, 18.2940

Trichromacy



Original Color

12.9039, 14.4933, 14.6877

Protanomaly

13.4324, 14.4582, 14.3947

Deuteranomaly

13.9302, 14.3974, 14.8767

Tritanomaly

13.3226, 14.5036, 16.8491

Monochromacy



Original Color

12.9039, 14.4933, 14.6877

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.1322, 14.1323, 15.1324

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9039, 14.4933, 14.6877 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, 109, 102) looks like.

```
.text, #text, p{  
    color:rgb(98, 109, 102)  
}
```

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, 109, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 109, 102) }
```

Border

The CSS property to change the border of an element to XYZ 12.9039, 14.4933, 14.6877 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, 109, 102) }
```


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

```
.border{ border-color:rgb(98, 109, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 109, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 109, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 109, 102);  
box-shadow:4px 4px 4px 4px rgb(98, 109,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9039, 14.4933, 14.6877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 109, 102) }
```

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

```
.background{ background-color: rgb(98, 109,  
102) }
```

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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