

Converting Colors

XYZ(12.8037, 13.7979, 12.6007)

Have a look what the booklet for
XYZ(12.8037, 13.7979, 12.6007)
contains.

XYZ(12.8977, 13.9146, 12.5957)	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(12.8977, 13.9146,
12.5957)**

Conversions

Conversions Part 1

Format	Color
Hex	69695E
RGB	105, 105, 94
RGB Percent	41%, 41%, 37%
CMY	0.5882, 0.5882, 0.6314
CMYK	0.00, 0.00, 0.10, 0.59
HSL	60°, 6%, 39%
HSV	60°, 10%, 41%
XYZ	12.8977, 13.9146, 12.5957
YIQ	103.7460, 3.5310, -3.4210

Conversions

Conversions Part 2

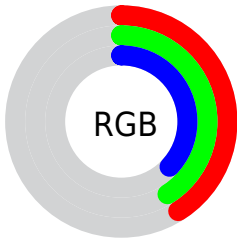
Format	Color
RYB	94, 105, 94
Decimal	6908254
CIELab	44.11, -2.16, 6.19
CIELCh	44, 6.553, 109.226
Yxy	13.9146, 0.3273, 0.3531
Android (android.graphics.Color)	4285098334 (0xFF69695E)
YUV	103.7460, -4.8048, 1.0998
Hunter-Lab	37.3023, -3.5605, 6.0914

Details

The XYZ color **12.8977, 13.9146, 12.5957** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.1691, 11.4054, 14.9782**, and the grayscale version is **13.1023, 13.7847, 15.0115**.

A 20% lighter version of the original color is **30.6328, 32.8585, 31.1134**, and **3.7915, 4.1391, 3.3954** is the 20% darker color. If you saturate the color by 10%, you get **12.4582, 13.7392, 10.2806**, and if you desaturate by 10%, it is **13.4021, 14.1169, 15.2490**.

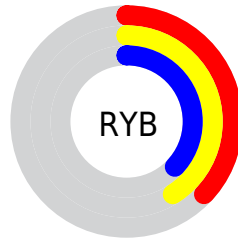
Distribution



Red (41%)

Green (41%)

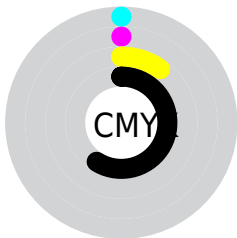
Blue (37%)



Red (37%)

Yellow (41%)

Blue (37%)

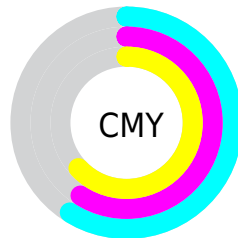


Cyan (0%)

Magenta (0%)

Yellow (10%)

Black (59%)



Cyan (59%)

Magenta (59%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8977, 13.9146, 12.5957 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 12.8977, 13.9146, 12.5957 by changing the saturation by 10% instead.

■ 12.8977, 13.9146,
12.5957

■ 12.8977, 13.9146,
12.5957

203.9119,
216.6989, 219.4261

■ 7.4347, 8.0613,
7.0233

■ 30.7228, 32.9374,
31.2560

■ 3.7841, 4.1342,
3.3980

■ 43.8155, 46.8757,
45.1809

■ 1.5807, 1.7489,
1.3013

■ 60.1821, 64.2778,
62.7271

■ 0.3798, 0.4550,
0.0628

■ 80.1881, 85.5281,
84.3132

■ 0.0000, 0.0000,
0.0000

104.1987,
111.0109, 110.3575

132.5793,

141.1108, 141.2788

165.6952,
176.2120, 177.4955

■ 12.8977, 13.9146,
12.5957

■ 12.8977, 13.9146,
12.5957

■ 12.4582, 13.7392,
10.2806

■ 13.4021, 14.1169,
15.2490

■ 12.0798, 13.5878,
8.2894

■ 13.9727, 14.3451,
18.2526

■ 11.7602, 13.4600,
6.6079

■ 14.6122, 14.6009,
21.6187

■ 11.4965, 13.3545,
5.2205

■ 15.3227, 14.8852,
25.3589

■ 11.2855, 13.2700,
4.1104

■ 16.1063, 15.1986,
29.4842

■ 11.1236, 13.2052,
3.2589

■ 16.9651, 15.5422,
34.0053

■ 11.0068, 13.1585,
2.6451

■ 17.9010, 15.9166,
38.9322

■ 10.9305, 13.1280,
2.2450

■ 18.9158, 16.3225,
44.2748

■ 10.8755, 13.1060,
1.9565

■ 20.0113, 16.7607,
50.0425

Harmonies

Analogous

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



13.4139, 13.9146, 12.4990



12.8977, 13.9146, 12.5957



12.4799, 13.9146, 13.3501

Triad

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



12.8977, 13.9146, 12.5957



12.5808, 13.9146, 17.4330



14.2359, 13.9146, 15.6943

Complementary

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



12.8977, 13.9146, 12.5957



11.1691, 11.4054, 14.9782

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.



14.0000, 13.9146, 17.1062



12.8977, 13.9146, 12.5957



13.0387, 13.9146, 18.1530

Square

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



12.8977, 13.9146, 12.5957



12.3003, 13.9146, 16.1169



13.5586, 13.9146, 18.0296



14.1958, 13.9146, 14.2238

Rectangle

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



12.8977, 13.9146, 12.5957



12.3091, 13.9146, 14.1540



13.5586, 13.9146, 18.0296



14.1861, 13.9146, 16.1930

Sweetspot

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



12.8981, 13.9152, 12.5960



23.7501, 25.1779, 26.0050



11.8492, 11.8172, 12.2463



5.5487, 5.8920, 6.0139



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.8981, 13.9152, 12.5960



22.8546, 24.8196, 21.2915



12.2729, 13.5929, 12.5667



3.3331, 3.5835, 3.3335



13.7698, 16.5938, 2.4772



70.1621, 84.5520, 12.6222

Inverse Universe

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



11.1691, 11.4054, 14.9782



18.9764, 19.1899, 26.6349



11.7533, 11.7066, 15.0055



2.9485, 3.0252, 3.8634



3.2288, 1.2916, 17.0014



16.4515, 6.5807, 86.6293

Previews

White Background



This preview shows how the XYZ color 12.8977, 13.9146, 12.5957 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 12.8977, 13.9146, 12.5957 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

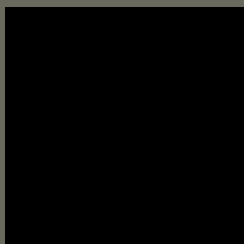
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

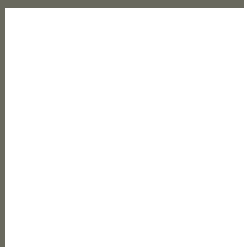
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.8977, 13.9146, 12.5957

Background



This preview shows how black text looks on a background with the XYZ color 12.8977, 13.9146, 12.5957.



This preview shows how white text looks on a background with the XYZ color 12.8977, 13.9146,

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

12.8977, 13.9146, 12.5957

Protanopia

13.2328, 13.9422, 12.3496

Deuteranopia

14.1905, 13.9851, 12.7780



Tritanopia

13.7829, 13.9740, 17.0097

Trichromacy



Original Color

12.8977, 13.9146, 12.5957

Protanomaly

13.1104, 13.8791, 12.3439

Deuteranomaly

13.6270, 13.8397, 12.7796

Tritanomaly

13.4440, 13.9847, 15.3553

Monochromacy



Original Color

12.8977, 13.9146, 12.5957

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.9595, 13.7638, 14.0302

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8977, 13.9146, 12.5957 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(105, 105, 94)` looks like.

```
.text, #text, p{  
    color:rgb(105, 105, 94)  
}
```

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(105, 105, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 105, 94) }
```

Border

The CSS property to change the border of an element to XYZ 12.8977, 13.9146, 12.5957 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(105, 105, 94) }
```


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

```
.border{ border-color:rgb(105, 105, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 105, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 105, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 105, 94);  
box-shadow:4px 4px 4px 4px rgb(105, 105,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8977, 13.9146, 12.5957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 105, 94) }
```

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

```
.background{ background-color: rgb(105,  
105, 94) }
```

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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