

Converting Colors

XYZ(12.1357, 14.6278, 13.8081)

Have a look what the booklet for
XYZ(12.1357, 14.6278, 13.8081)
contains.

XYZ(12.1186, 14.5940, 13.7335)	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(12.1186, 14.5940,
13.7335)**

Conversions

Conversions Part 1

Format	Color
Hex	597062
RGB	89, 112, 98
RGB Percent	35%, 44%, 38%
CMY	0.6510, 0.5608, 0.6157
CMYK	0.21, 0.00, 0.13, 0.56
HSL	143°, 11%, 39%
HSV	143°, 21%, 44%
XYZ	12.1186, 14.5940, 13.7335
YIQ	103.5270, -9.2140, -9.2300

Conversions

Conversions Part 2

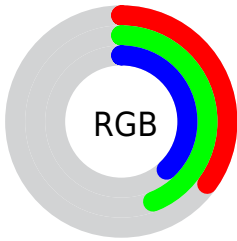
Format	Color
R_{YB}	89, 106, 112
Decimal	5861474
CIE _{Lab}	45.07, -11.59, 5.00
CIE _{LCh}	45, 12.621, 156.673
Yxy	14.5940, 0.2996, 0.3608
Android (android.graphics.Color)	4284051554 (0xFF597062)
YUV	103.5270, -2.7248, -12.7402
Hunter-Lab	38.2021, -10.2293, 5.4269

Details

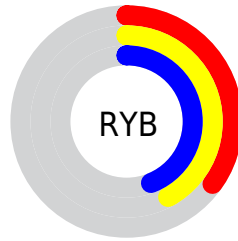
The XYZ color **12.1186, 14.5940, 13.7335** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.7032, 11.5691, 14.3961**, and the grayscale version is **13.0410, 13.7201, 14.9412**.

A 20% lighter version of the original color is **29.3477, 34.2098, 33.4901**, and **3.4495, 4.4283, 3.9218** is the 20% darker color. If you saturate the color by 10%, you get **10.8163, 13.9587, 12.0632**, and if you desaturate by 10%, it is **13.6127, 15.3259, 15.5565**.

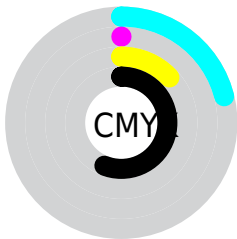
Distribution



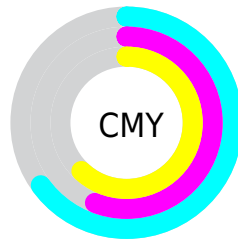
- Red (35%)
- Green (44%)
- Blue (38%)



- Red (35%)
- Yellow (42%)
- Blue (44%)



- Cyan (21%)
- Magenta (0%)
- Yellow (13%)
- Black (56%)



- Cyan (65%)
- Magenta (56%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1186, 14.5940, 13.7335 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 12.1186, 14.5940, 13.7335 by changing the saturation by 10% instead.

■ 12.1186, 14.5940,
13.7335

■ 12.1186, 14.5940,
13.7335

198.9428,
220.8955, 226.9370

■ 6.8973, 8.5349,
7.7989

■ 29.3259, 34.1393,
33.3257

■ 3.4437, 4.4391,
3.8806

■ 42.0426, 48.3944,
47.8204

■ 1.3925, 1.9221,
1.5601

■ 57.9885, 66.1503,
66.0056

■ 0.2509, 0.5616,
0.2621

■ 77.5289, 87.7914,
88.2997

■ 0.0000, 0.0000,
0.0000

■ 101.0291,
113.7020, 115.1214

128.8546,

144.2667, 146.8891

161.3707,
179.8697, 184.0215

■ 12.1186, 14.5940,
13.7335

■ 12.1186, 14.5940,
13.7335

■ 10.8163, 13.9587,
12.0632

■ 13.6127, 15.3259,
15.5565

■ 9.6965, 13.4139,
10.5408

■ 15.3050, 16.1562,
17.5352

■ 8.7510, 12.9560,
9.1625

■ 17.2030, 17.0893,
19.6733

■ 7.9704, 12.5802,
7.9240

■ 19.3135, 18.1286,
21.9746

■ 7.3445, 12.2813,
6.8208

■ 21.6429, 19.2772,
24.4423

■ 6.8618, 12.0535,
5.8481

■ 24.1974, 20.5384,
27.0797

■ 6.5089, 11.8900,
5.0009

■ 26.9830, 21.9151,
29.8902

■ 6.2458, 11.7694,
4.3081

■ 30.0053, 23.4102,
32.8768

■ 33.2699, 25.0264,
36.0425

Harmonies

Analogous

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



12.7134, 14.5940, 11.7340



12.1186, 14.5940, 13.7335



11.9824, 14.5940, 16.5636

Triad

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



12.1186, 14.5940, 13.7335



14.1043, 14.5940, 22.2680



15.5337, 14.5940, 12.7163

Complementary

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



12.1186, 14.5940, 13.7335



12.7032, 11.5691, 14.3961

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.



15.9486, 14.5940, 15.2356



12.1186, 14.5940, 13.7335



15.0972, 14.5940, 20.9279

Square

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



12.1186, 14.5940, 13.7335



13.0960, 14.5940, 21.7358



15.7850, 14.5940, 18.2620



14.6763, 14.5940, 11.1999

Rectangle

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



12.1186, 14.5940, 13.7335



12.1636, 14.5940, 18.5958



15.7850, 14.5940, 18.2620



15.7314, 14.5940, 13.4610

Sweetspot

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



12.1190, 14.5946, 13.7338



25.1715, 27.5397, 28.8159



13.2124, 15.2047, 11.6898



6.0145, 6.6002, 6.8844



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



12.1190, 14.5946, 13.7338



20.0768, 25.0458, 22.5908



12.6919, 14.8238, 16.7505



3.3941, 3.7828, 3.8816



7.2094, 13.6013, 4.9236



35.5155, 67.5948, 22.4316

Inverse Universe

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



12.7032, 11.5691, 14.3961



21.3145, 18.6338, 23.9929



12.1729, 11.3570, 11.6036



3.4618, 3.4324, 3.9584



8.9260, 4.4628, 6.6865



44.0321, 22.0582, 31.0309

Previews

White Background



This preview shows how the XYZ color 12.1186, 14.5940, 13.7335 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 12.1186, 14.5940, 13.7335 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 12.1186, 14.5940, 13.7335

Background



This preview shows how black text looks on a background with the XYZ color 12.1186, 14.5940, 13.7335.



This preview shows how white text looks on a background with the XYZ color 12.1186, 14.5940,

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

12.1186, 14.5940, 13.7335

Protanopia

13.7751, 14.5138, 12.9019

Deuteranopia

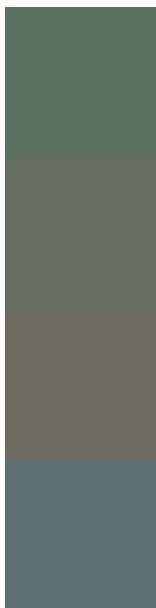
14.7582, 14.5425, 14.0857



Tritanopia

13.2529, 14.5724, 19.2538

Trichromacy



Original Color

12.1186, 14.5940, 13.7335

Protanomaly

13.0674, 14.4532, 13.1674

Deuteranomaly

13.5905, 14.3971, 13.8670

Tritanomaly

12.8588, 14.5749, 17.1744

Monochromacy



Original Color

12.1186, 14.5940, 13.7335

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.8016, 14.1273, 14.6225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1186, 14.5940, 13.7335 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(89, 112, 98) looks like.

```
.text, #text, p{  
    color:rgb(89, 112, 98)  
}
```

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(89, 112, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 112, 98) }
```

Border

The CSS property to change the border of an element to XYZ 12.1186, 14.5940, 13.7335 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(89, 112, 98) }
```


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

```
.border{ border-color:rgb(89, 112, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 112, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 112, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 112, 98);  
box-shadow:4px 4px 4px 4px rgb(89, 112,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1186, 14.5940, 13.7335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 112, 98) }
```

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

```
.background{ background-color: rgb(89, 112,  
98) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor