

Converting Colors

XYZ(12.3636, 14.6829, 12.5385)

Have a look what the booklet for
XYZ(12.3636, 14.6829, 12.5385)
contains.

XYZ(12.3860, 14.7583, 12.5518)	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(12.3860, 14.7583,
12.5518)**

Conversions

Conversions Part 1

Format	Color
Hex	5E705D
RGB	94, 112, 93
RGB Percent	37%, 44%, 36%
CMY	0.6314, 0.5608, 0.6353
CMYK	0.16, 0.00, 0.17, 0.56
HSL	117°, 9%, 40%
HSV	117°, 17%, 44%
XYZ	12.3860, 14.7583, 12.5518
YIQ	104.4520, -4.6290, -9.7250

Conversions

Conversions Part 2

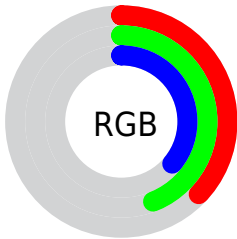
Format	Color
RYB	93, 112, 111
Decimal	6189149
CIELab	45.30, -10.74, 8.35
CIElCh	45, 13.604, 142.110
Yxy	14.7583, 0.3120, 0.3718
Android (android.graphics.Color)	4284379229 (0xFF5E705D)
YUV	104.4520, -5.6458, -9.1664
Hunter-Lab	38.4165, -9.6782, 7.5198

Details

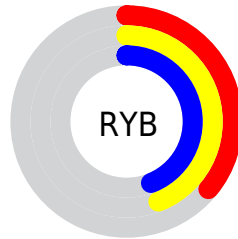
The XYZ color **12.3860, 14.7583, 12.5518** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.3952, 12.3786, 17.0133**, and the grayscale version is **13.2952, 13.9876, 15.2325**.

A 20% lighter version of the original color is **29.9104, 34.5538, 31.0797**, and **3.5654, 4.5004, 3.3701** is the 20% darker color. If you saturate the color by 10%, you get **10.9116, 14.0518, 10.0802**, and if you desaturate by 10%, it is **14.0836, 15.5723, 15.4139**.

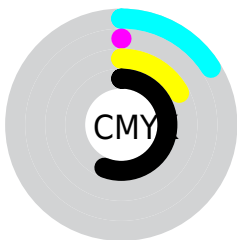
Distribution



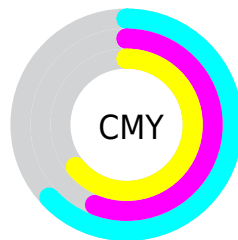
- Red (37%)
- Green (44%)
- Blue (36%)



- Red (36%)
- Yellow (44%)
- Blue (44%)



- Cyan (16%)
- Magenta (0%)
- Yellow (17%)
- Black (56%)



- Cyan (63%)
- Magenta (56%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3860, 14.7583, 12.5518 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 12.3860, 14.7583, 12.5518 by changing the saturation by 10% instead.

■ 12.3860, 14.7583,
12.5518

■ 12.3860, 14.7583,
12.5518

200.6624,
221.8986, 219.1309

■ 7.0812, 8.6499,
6.9936

■ 29.8070, 34.4286,
31.1755

■ 3.5597, 4.5136,
3.3797

■ 42.6539, 48.7593,
45.0780

■ 1.4562, 1.9648,
1.2916

■ 58.7455, 66.5996,
62.5991

■ 0.2957, 0.5869,
0.0549

■ 78.4473, 88.3339,
84.1572

■ 0.0000, 0.0000,
0.0000

102.1245,
114.3465, 110.1708

130.1425,

145.0219, 141.0587

162.8667,
180.7445, 177.2392

■ 12.3860, 14.7583,
12.5518

■ 12.3860, 14.7583,
12.5518

■ 10.9116, 14.0518,
10.0802

■ 14.0836, 15.5723,
15.4139

■ 9.6498, 13.4465,
7.9811

■ 16.0117, 16.4959,
18.6812

■ 8.5913, 12.9383,
6.2369

■ 18.1791, 17.5339,
22.3692

■ 7.7254, 12.5223,
4.8279

■ 20.5935, 18.6898,
26.4918

■ 7.0406, 12.1927,
3.7326

■ 23.2623, 19.9672,
31.0628

■ 6.5238, 11.9436,
2.9271

■ 26.1928, 21.3696,
36.0950

■ 6.1607, 11.7681,
2.3839

■ 29.3917, 22.9002,
41.6008

■ 5.9271, 11.6551,
2.0349

■ 32.8658, 24.5621,
47.5923

■ 5.8682, 11.6269,
1.9349

■ 36.6212, 26.3583,
54.0808

Harmonies

Analogous

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



13.2276, 14.7583, 10.9789



12.3860, 14.7583, 12.5518



11.9888, 14.7583, 15.2325

Triad

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



12.3860, 14.7583, 12.5518



13.7320, 14.7583, 23.0324



16.1319, 14.7583, 13.8451

Complementary

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



12.3860, 14.7583, 12.5518



13.3952, 12.3786, 17.0133

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.



16.2847, 14.7583, 16.9362



12.3860, 14.7583, 12.5518



14.8587, 14.7583, 22.5307

Square

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



12.3860, 14.7583, 12.5518



12.7383, 14.7583, 21.4804



15.8076, 14.7583, 20.1892



15.4005, 14.7583, 11.6530

Rectangle

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



12.3860, 14.7583, 12.5518



12.0138, 14.7583, 17.4065



15.8076, 14.7583, 20.1892



16.2541, 14.7583, 14.8024

Sweetspot

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



12.3864, 14.7589, 12.5521



25.3307, 27.6383, 28.0757



14.3139, 15.5465, 12.6026



6.0431, 6.6196, 6.6733



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.



12.3864, 14.7589, 12.5521



20.7929, 25.4636, 20.4276



12.6693, 14.8603, 14.5730



3.3598, 3.7708, 3.6241



6.7773, 13.4375, 2.2365



33.5339, 66.8214, 11.1304

Inverse Universe

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



13.3952, 12.3786, 17.0133



22.8861, 20.5238, 29.6850



13.0838, 12.2686, 14.7137



3.4979, 3.4450, 4.2348



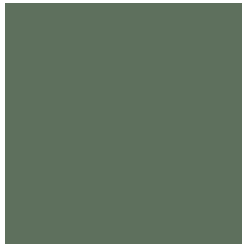
10.2620, 4.8997, 18.1265



50.8878, 24.2880, 90.2851

Previews

White Background



This preview shows how the XYZ color 12.3860, 14.7583, 12.5518 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 12.3860, 14.7583, 12.5518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

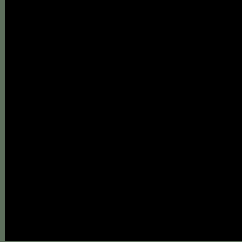
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.3860, 14.7583, 12.5518

Background



This preview shows how black text looks on a background with the XYZ color 12.3860, 14.7583, 12.5518.



This preview shows how white text looks on a background with the XYZ color 12.3860, 14.7583,

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

12.3860, 14.7583, 12.5518

Protanopia

13.9132, 14.7643, 11.7893

Deuteranopia

14.9418, 14.6643, 12.8694



Tritanopia

13.7165, 14.8183, 18.9669

Trichromacy



Original Color

12.3860, 14.7583, 12.5518

Protanomaly

13.3008, 14.7568, 12.0448

Deuteranomaly

13.8565, 14.5610, 12.6699

Tritanomaly

13.2125, 14.7760, 16.3430

Monochromacy



Original Color

12.3860, 14.7583, 12.5518

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.8135, 14.1448, 14.1115

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3860, 14.7583, 12.5518 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(94, 112, 93) looks like.

```
.text, #text, p{  
    color:rgb(94, 112, 93)  
}
```

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(94, 112, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 112, 93) }
```

Border

The CSS property to change the border of an element to XYZ 12.3860, 14.7583, 12.5518 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(94, 112, 93) }
```


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

```
.border{ border-color:rgb(94, 112, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 112, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 112, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 112, 93);  
box-shadow:4px 4px 4px 4px rgb(94, 112,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3860, 14.7583, 12.5518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 112, 93) }
```

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

```
.background{ background-color: rgb(94, 112,  
93) }
```

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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