

Converting Colors

XYZ(12.5445, 14.8610, 13.1405)

Have a look what the booklet for
XYZ(12.5445, 14.8610, 13.1405)
contains.

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Color

**XYZ(12.4758, 14.7942,
13.0245)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | 5E705F |
| RGB | 94, 112, 95 |
| RGB Percent | 37%, 44%, 37% |
| CMY | 0.6314, 0.5608, 0.6274 |
| CMYK | 0.16, 0.00, 0.15, 0.56 |
| HSL | 123°, 9%, 40% |
| HSV | 123°, 16%, 44% |
| XYZ | 12.4758, 14.7942, 13.0245 |
| YIQ | 104.6800, -5.2710, -9.1030 |

Conversions

Conversions Part 2

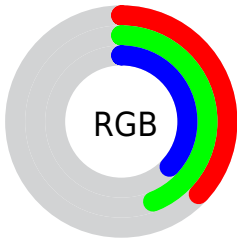
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 94, 111, 112 |
| Decimal | 6189151 |
| CIELab | 45.35, -10.34, 7.23 |
| CIElCh | 45, 12.618, 145.022 |
| Yxy | 14.7942, 0.3096, 0.3672 |
| Android (android.graphics.Color) | 4284379231 (0xFF5E705F) |
| YUV | 104.6800, -4.7722, -9.3664 |
| Hunter-Lab | 38.4632, -9.4130, 6.8474 |

Details

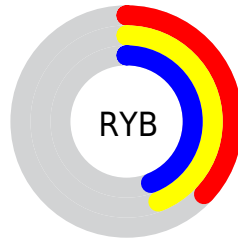
The XYZ color **12.4758, 14.7942, 13.0245** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.5545, 12.5982, 16.7568**, and the grayscale version is **13.3546, 14.0500, 15.3005**.

A 20% lighter version of the original color is **30.0633, 34.6150, 31.8849**, and **3.6067, 4.5169, 3.5875** is the 20% darker color. If you saturate the color by 10%, you get **10.9610, 14.0655, 10.6119**, and if you desaturate by 10%, it is **14.2234, 15.6362, 15.7896**.

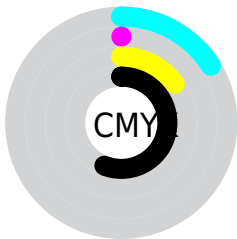
Distribution



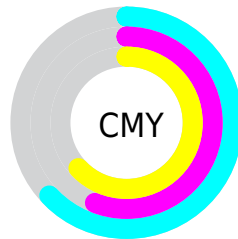
- Red (37%)
- Green (44%)
- Blue (37%)



- Red (37%)
- Yellow (44%)
- Blue (44%)



- Cyan (16%)
- Magenta (0%)
- Yellow (15%)
- Black (56%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4758, 14.7942, 13.0245 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 12.4758, 14.7942, 13.0245 by changing the saturation by 10% instead.

■ 12.4758, 14.7942,
13.0245

■ 12.4758, 14.7942,
13.0245

201.2365,
222.1172, 222.2880

■ 7.1431, 8.6751,
7.3145

■ 29.9682, 34.4917,
32.0396

■ 3.5989, 4.5299,
3.5781

■ 42.8585, 48.8389,
46.1818

■ 1.4778, 1.9742,
1.3969

■ 58.9988, 66.6976,
63.9718

■ 0.3107, 0.5924,
0.1393

■ 78.7544, 88.4522,
85.8282

■ 0.0000, 0.0000,
0.0000

102.4905,
114.4871, 112.1694

130.5727,

145.1866, 143.4141

163.3663,
180.9351, 179.9808

■ 12.4758, 14.7942,
13.0245

■ 12.4758, 14.7942,
13.0245

■ 10.9610, 14.0655,
10.6119

■ 14.2234, 15.6362,
15.7896

■ 9.6680, 13.4436,
8.5366

■ 16.2119, 16.5940,
18.9194

■ 8.5869, 12.9239,
6.7839

■ 18.4502, 17.6726,
22.4268

■ 7.7062, 12.5010,
5.3376

■ 20.9466, 18.8759,
26.3240

■ 7.0137, 12.1689,
4.1801

■ 23.7091, 20.2077,
30.6224

■ 6.4956, 11.9209,
3.2921

■ 26.7451, 21.6717,
35.3330

■ 6.1363, 11.7495,
2.6518

■ 30.0619, 23.2714,
40.4663

■ 5.9064, 11.6400,
2.2335

■ 33.6665, 25.0102,
46.0326

■ 5.8285, 11.6025,
2.1110

■ 37.5656, 26.8913,
52.0417

Harmonies

Analogous

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



13.2271, 14.7942, 11.4290



12.4758, 14.7942, 13.0245



12.1500, 14.7942, 15.6133

Triad

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



12.4758, 14.7942, 13.0245



13.8875, 14.7942, 22.5609



15.9654, 14.7942, 13.7911

Complementary

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



12.4758, 14.7942, 13.0245



13.5545, 12.5982, 16.7568

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.



16.1636, 14.7942, 16.6138



12.4758, 14.7942, 13.0245



14.9301, 14.7942, 21.9170

Square

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



12.4758, 14.7942, 13.0245



12.9388, 14.7942, 21.3085



15.7761, 14.7942, 19.6442



15.2472, 14.7942, 11.8316

Rectangle

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



12.4758, 14.7942, 13.0245



12.2056, 14.7942, 17.6492



15.7761, 14.7942, 19.6442



16.0965, 14.7942, 14.6600

Sweetspot

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



12.4762, 14.7948, 13.0248



25.2966, 27.6173, 28.2272



14.3833, 15.7832, 12.8782



6.0342, 6.6141, 6.7132



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.



12.4762, 14.7948, 13.0248



20.9599, 25.5292, 21.3602



12.9043, 14.9661, 15.2791



3.3519, 3.7660, 3.6593



6.7349, 13.4115, 2.4249



33.4454, 66.7668, 11.5309

Inverse Universe

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



13.5545, 12.5982, 16.7568



23.2059, 20.9538, 29.1331



13.0885, 12.4118, 14.3026



3.5068, 3.4504, 4.1955



10.7163, 5.1789, 16.1139



53.2760, 25.7557, 79.7088

Previews

White Background



This preview shows how the XYZ color 12.4758, 14.7942, 13.0245 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 12.4758, 14.7942, 13.0245 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

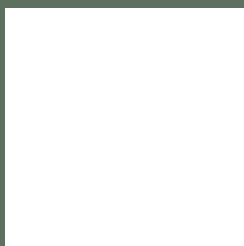
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.4758, 14.7942, 13.0245

Background



This preview shows how black text looks on a background with the XYZ color 12.4758, 14.7942, 13.0245.



This preview shows how white text looks on a background with the XYZ color 12.4758, 14.7942,

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

12.4758, 14.7942, 13.0245

Protanopia

13.8716, 14.7328, 12.2378

Deuteranopia

14.8931, 14.6285, 13.3479



Tritanopia

13.7165, 14.8183, 18.9669

Trichromacy



Original Color

12.4758, 14.7942, 13.0245

Protanomaly

13.2701, 14.7308, 12.4999

Deuteranomaly

13.8209, 14.5321, 13.1429

Tritanomaly

13.2660, 14.7974, 16.6250

Monochromacy



Original Color

12.4758, 14.7942, 13.0245

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.0784, 14.4314, 14.4082

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4758, 14.7942, 13.0245 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, 95) looks like.

```
.text, #text, p{  
    color:rgb(94, 112, 95)  
}
```

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, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 112, 95) }
```

Border

The CSS property to change the border of an element to XYZ 12.4758, 14.7942, 13.0245 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, 95) }
```


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

```
.border{ border-color:rgb(94, 112, 95) }
```

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, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 112, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 112, 95);  
box-shadow:4px 4px 4px 4px rgb(94, 112,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4758, 14.7942, 13.0245 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, 95) }
```

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

```
.background{ background-color: rgb(94, 112,  
95) }
```

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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