

Converting Colors

XYZ(12.6675, 12.3800, 10.0121)

Have a look what the booklet for
XYZ(12.6675, 12.3800, 10.0121)
contains.

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Color

**XYZ(12.7627, 12.4693,
10.1217)**

Conversions

Conversions Part 1

Format	Color
Hex	735F54
RGB	115, 95, 84
RGB Percent	45%, 37%, 33%
CMY	0.5490, 0.6274, 0.6706
CMYK	0.00, 0.17, 0.27, 0.55
HSL	21°, 16%, 39%
HSV	21°, 27%, 45%
XYZ	12.7627, 12.4693, 10.1217
YIQ	99.7260, 15.4510, 0.8190

Conversions

Conversions Part 2

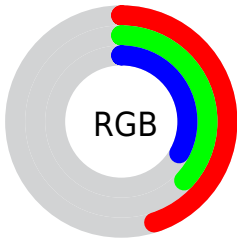
Format	Color
RYB	115, 101, 84
Decimal	7561044
CIELab	41.95, 6.24, 9.32
CIELCh	42, 11.216, 56.179
Yxy	12.4693, 0.3610, 0.3527
Android (android.graphics.Color)	4285751124 (0xFF735F54)
YUV	99.7260, -7.7529, 13.3953
Hunter-Lab	35.3119, 2.7190, 7.7236

Details

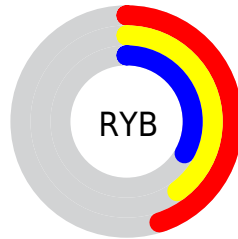
The XYZ color **12.7627, 12.4693, 10.1217** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.7010, 13.0231, 18.1169**, and the grayscale version is **12.0599, 12.6880, 13.8172**.

A 20% lighter version of the original color is **30.3648, 30.1875, 26.7806**, and **3.7113, 3.5014, 2.3997** is the 20% darker color. If you saturate the color by 10%, you get **11.7121, 11.0306, 7.7288**, and if you desaturate by 10%, it is **13.9516, 14.0660, 12.9260**.

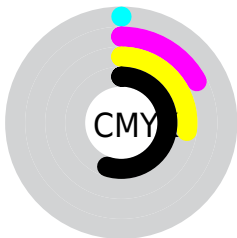
Distribution



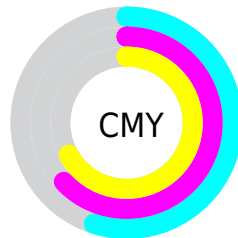
- Red (45%)
- Green (37%)
- Blue (33%)



- Red (45%)
- Yellow (40%)
- Blue (33%)



- Cyan (0%)
- Magenta (17%)
- Yellow (27%)
- Black (55%)



- Cyan (55%)
- Magenta (63%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7627, 12.4693, 10.1217 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 12.7627, 12.4693, 10.1217 by changing the saturation by 10% instead.

■ 12.7627, 12.4693,
10.1217

■ 12.7627, 12.4693,
10.1217

203.0597,
207.4879, 202.0547

■ 7.3412, 7.0641,
5.3731

■ 30.4818, 30.3470,
26.6355

■ 3.7246, 3.5022,
2.4052

■ 43.5100, 43.5883,
39.2378

■ 1.5475, 1.3992,
0.7893

■ 59.8046, 60.2105,
55.2951

■ 0.3578, 0.2162,
0.0000

■ 79.7309, 80.5979,
75.2258

■ 0.0000, 0.0000,
0.0000

■ 103.6542,
105.1350, 99.4486

131.9398,

134.2061, 128.3820

164.9532,
168.1956, 162.4446

■ 12.7627, 12.4693,
10.1217

■ 12.7627, 12.4693,
10.1217

■ 11.7121, 11.0306,
7.7288

■ 13.9516, 14.0660,
12.9260

■ 10.7934, 9.7433,
5.7268

■ 15.2829, 15.8238,
16.1590

■ 10.0012, 8.6027,
4.0948

■ 16.7617, 17.7478,
19.8384

■ 9.3293, 7.6031,
2.8096

■ 18.3925, 19.8424,
23.9801

■ 8.7709, 6.7386,
1.8453

■ 20.1798, 22.1116,
28.5997

■ 8.3182, 6.0027,
1.1722

■ 22.1276, 24.5596,
33.7118

■ 7.9560, 5.3855,
0.7207

■ 24.2400, 27.1903,
39.3305

■ 7.8568, 5.2178,
0.5930

■ 26.5209, 30.0074,
45.4693

■ 28.9739, 33.0145,
52.1411

Harmonies

Analogous

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



13.3429, 12.4693, 11.6581



12.7627, 12.4693, 10.1217



11.9584, 12.4693, 9.5068

Triad

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



12.7627, 12.4693, 10.1217



10.3291, 12.4693, 13.2745



12.5701, 12.4693, 18.1074

Complementary

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



12.7627, 12.4693, 10.1217



11.7010, 13.0231, 18.1169

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.



11.7456, 12.4693, 18.6690



12.7627, 12.4693, 10.1217



10.4759, 12.4693, 15.6956

Square

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



12.7627, 12.4693, 10.1217



10.5742, 12.4693, 11.1877



10.9851, 12.4693, 17.7407



13.2281, 12.4693, 16.2842

Rectangle

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



12.7627, 12.4693, 10.1217



11.4124, 12.4693, 9.6422



10.9851, 12.4693, 17.7407



12.3021, 12.4693, 18.4585

Sweetspot

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



12.7630, 12.4699, 10.1220



27.0534, 27.9244, 28.1663



12.7471, 10.9882, 14.5860



6.3792, 6.5635, 6.5365



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



12.7630, 12.4699, 10.1220



21.7177, 20.7793, 15.5163



14.2844, 15.5127, 10.6291



3.7805, 3.8939, 3.8946



8.9627, 5.9267, 0.6716



42.9350, 27.3984, 3.0255

Inverse Universe

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



11.7010, 13.0231, 18.1169



19.4930, 21.9341, 32.2508



10.2942, 10.2095, 17.6479



3.6792, 3.9470, 4.6582



6.3309, 7.0014, 19.5603



30.0216, 32.4599, 95.0434

Previews

White Background



This preview shows how the XYZ color 12.7627, 12.4693, 10.1217 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 12.7627, 12.4693, 10.1217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

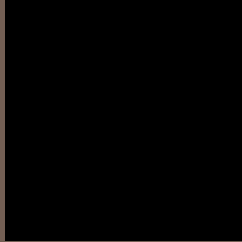
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.7627, 12.4693, 10.1217

Background



This preview shows how black text looks on a background with the XYZ color 12.7627, 12.4693, 10.1217.



This preview shows how white text looks on a background with the XYZ color 12.7627, 12.4693,

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

12.7627, 12.4693, 10.1217

Protanopia

11.8505, 12.5386, 10.5997

Deuteranopia

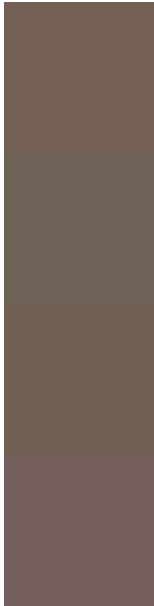
12.6319, 12.4019, 10.1155



Tritanopia

13.5507, 12.5307, 13.7611

Trichromacy



Original Color

12.7627, 12.4693, 10.1217

Protanomaly

12.1917, 12.5794, 10.3798

Deuteranomaly

12.6319, 12.4019, 10.1155

Tritanomaly

13.2255, 12.5266, 12.3105

Monochromacy



Original Color

12.7627, 12.4693, 10.1217

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.2138, 12.5468, 12.3677

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7627, 12.4693, 10.1217 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(115, 95, 84)` looks like.

```
.text, #text, p{  
    color:rgb(115, 95, 84)  
}
```

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(115, 95, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 95, 84) }
```

Border

The CSS property to change the border of an element to XYZ 12.7627, 12.4693, 10.1217 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(115, 95, 84) }
```


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

```
.border{ border-color:rgb(115, 95, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 95, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 95, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 95, 84);  
box-shadow:4px 4px 4px 4px rgb(115, 95,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7627, 12.4693, 10.1217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 95, 84) }
```

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

```
.background{ background-color: rgb(115, 95,  
84) }
```

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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