

Converting Colors

XYZ(12.9529, 13.2952, 7.4894)

Have a look what the booklet for
XYZ(12.9529, 13.2952, 7.4894)
contains.

XYZ(12.9675, 13.3259, 7.5189)	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(12.9675, 13.3259,
7.5189)**

Conversions

Conversions Part 1

Format	Color
Hex	756445
RGB	117, 100, 69
RGB Percent	46%, 39%, 27%
CMY	0.5412, 0.6078, 0.7294
CMYK	0.00, 0.15, 0.41, 0.54
HSL	39°, 26%, 36%
HSV	39°, 41%, 46%
XYZ	12.9675, 13.3259, 7.5189
YIQ	101.5490, 20.0830, -6.0370

Conversions

Conversions Part 2

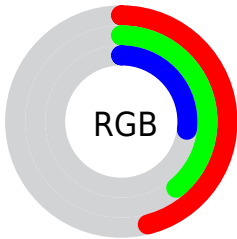
Format	Color
RYB	95, 117, 69
Decimal	7693381
CIELab	43.25, 2.01, 20.10
CIELCh	43, 20.203, 84.286
Yxy	13.3259, 0.3835, 0.3941
Android (android.graphics.Color)	4285883461 (0xFF756445)
YUV	101.5490, -16.0467, 13.5505
Hunter-Lab	36.5047, -0.4748, 13.3412

Details

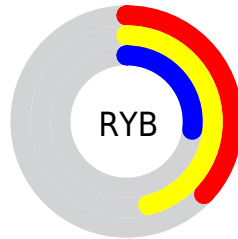
The XYZ color **12.9675, 13.3259, 7.5189** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.9929, 9.2049, 18.1325**, and the grayscale version is **12.5488, 13.2023, 14.3773**.

A 20% lighter version of the original color is **30.9142, 31.9873, 21.6843**, and **3.8094, 3.9018, 1.4721** is the 20% darker color. If you saturate the color by 10%, you get **12.2523, 12.4205, 5.6620**, and if you desaturate by 10%, it is **13.7752, 14.3016, 9.7604**.

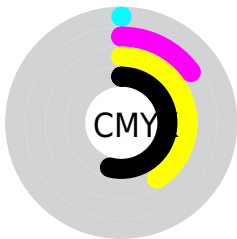
Distribution



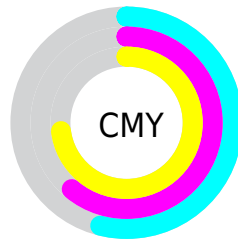
- Red (46%)
- Green (39%)
- Blue (27%)



- Red (37%)
- Yellow (46%)
- Blue (27%)



- Cyan (0%)
- Magenta (15%)
- Yellow (41%)
- Black (54%)



- Cyan (54%)
- Magenta (61%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9675, 13.3259, 7.5189 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 12.9675, 13.3259, 7.5189 by changing the saturation by 10% instead.

■ 12.9675, 13.3259,
7.5189

■ 12.9675, 13.3259,
7.5189

204.3511,
212.9959, 181.6996

■ 7.4830, 7.6533,
3.7054

■ 30.8472, 31.8880,
21.5401

■ 3.8150, 3.8739,
1.4651

■ 43.9731, 45.5464,
32.5849

■ 1.5980, 1.6033,
0.1918

■ 60.3769, 62.6355,
46.8771

■ 0.3911, 0.3598,
0.0000

■ 80.4239, 83.5398,
64.8354

■ 0.0000, 0.0000,
0.0000

■ 104.4794,
108.6435, 86.8783

132.9089,

138.3312, 113.4242

166.0777,
172.9872, 144.8918

■ 12.9675, 13.3259,
7.5189

■ 12.9675, 13.3259,
7.5189

■ 12.2523, 12.4205,
5.6620

■ 13.7752, 14.3016,
9.7604

■ 11.6241, 11.5813,
4.1665

■ 14.6787, 15.3479,
12.4062

■ 11.0783, 10.8065,
3.0078

■ 15.6820, 16.4675,
15.4756

■ 10.6092, 10.0932,
2.1583

■ 16.7890, 17.6622,
18.9867

■ 10.2104, 9.4384,
1.5853

■ 18.0030, 18.9339,
22.9561

■ 9.8910, 8.8915,
1.1949

■ 19.3273, 20.2843,
27.3998

■ 20.7650, 21.7150,
32.3331

■ 22.3192, 23.2278,
37.7704

■ 23.9928, 24.8241,
43.7256

Harmonies

Analogous

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



14.5028, 13.3259, 8.5823



12.9675, 13.3259, 7.5189



11.4694, 13.3259, 7.9924

Triad

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



12.9675, 13.3259, 7.5189



10.1188, 13.3259, 18.3461



15.2666, 13.3259, 20.1372

Complementary

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



12.9675, 13.3259, 7.5189



8.9929, 9.2049, 18.1325

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.



13.9428, 13.3259, 23.8558



12.9675, 13.3259, 7.5189



10.9910, 13.3259, 22.6817

Square

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



12.9675, 13.3259, 7.5189



9.9042, 13.3259, 13.6693



12.3690, 13.3259, 24.8716



15.8984, 13.3259, 15.3837

Rectangle

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



12.9675, 13.3259, 7.5189



10.6808, 13.3259, 9.1784



12.3690, 13.3259, 24.8716



14.8827, 13.3259, 21.5858

Sweetspot

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



12.9678, 13.3265, 7.5192



27.8406, 29.2232, 26.9623



11.1684, 8.7199, 10.0260



6.3609, 6.6747, 6.0749



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.



12.9678, 13.3265, 7.5192



22.0318, 22.3603, 10.3681



13.9409, 16.5060, 8.0816



3.8627, 4.0584, 3.9221



10.8828, 9.7669, 1.3116



52.2044, 45.9373, 6.1153

Inverse Universe

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



8.9929, 9.2049, 18.1325



13.9028, 13.9383, 32.0946



8.2722, 7.0528, 17.7551



3.5969, 3.7825, 4.6308



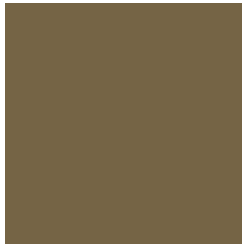
4.4141, 3.1680, 18.9214



20.7701, 13.9567, 91.9595

Previews

White Background



This preview shows how the XYZ color 12.9675, 13.3259, 7.5189 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 12.9675, 13.3259, 7.5189 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 12.9675, 13.3259, 7.5189

Background



This preview shows how black text looks on a background with the XYZ color 12.9675, 13.3259, 7.5189.



This preview shows how white text looks on a background with the XYZ color 12.9675, 13.3259,

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

12.9675, 13.3259, 7.5189

Protanopia

12.4124, 13.3244, 7.7120

Deuteranopia

13.4679, 13.3026, 7.4880



Tritanopia

14.3768, 13.3381, 14.6487

Trichromacy



Original Color

12.9675, 13.3259, 7.5189

Protanomaly

12.5692, 13.2603, 7.6914

Deuteranomaly

13.2817, 13.3464, 7.5063

Tritanomaly

13.7708, 13.2267, 11.7247

Monochromacy



Original Color

12.9675, 13.3259, 7.5189

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.5625, 13.1713, 11.5531

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9675, 13.3259, 7.5189 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(117, 100, 69)` looks like.

```
.text, #text, p{  
    color:rgb(117, 100, 69)  
}
```

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(117, 100, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 100, 69) }
```

Border

The CSS property to change the border of an element to XYZ 12.9675, 13.3259, 7.5189 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(117, 100, 69) }
```


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

```
.border{ border-color:rgb(117, 100, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 100, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 100, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 100, 69);  
box-shadow:4px 4px 4px 4px rgb(117, 100,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9675, 13.3259, 7.5189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 100, 69) }
```

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

```
.background{ background-color: rgb(117,  
100, 69) }
```

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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