

Converting Colors

XYZ(10.6236, 9.7767, 4.4355)

Have a look what the booklet for
XYZ(10.6236, 9.7767, 4.4355)
contains.

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Color

**XYZ(10.6102, 9.7687,
4.4583)**

Conversions

Conversions Part 1

Format	Color
Hex	735133
RGB	115, 81, 51
RGB Percent	45%, 32%, 20%
CMY	0.5490, 0.6823, 0.8000
CMYK	0.00, 0.30, 0.56, 0.55
HSL	28°, 39%, 33%
HSV	28°, 56%, 45%
XYZ	10.6102, 9.7687, 4.4583
YIQ	87.7460, 29.8940, -2.1220

Conversions

Conversions Part 2

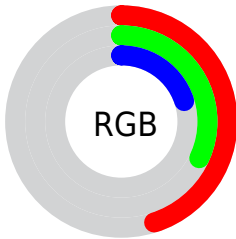
Format	Color
R _Y B	115, 107, 51
Decimal	7557427
CIE Lab	37.42, 10.47, 23.18
CIE LCh	37, 25.433, 65.682
Yxy	9.7687, 0.4272, 0.3933
Android (android.graphics.Color)	4285747507 (0xFF735133)
YUV	87.7460, -18.1158, 23.9018
Hunter-Lab	31.2549, 5.8998, 13.4211

Details

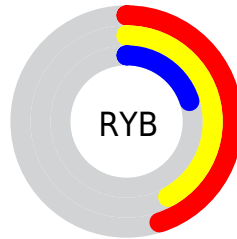
The XYZ color **10.6102, 9.7687, 4.4583** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **7.7081, 8.4383, 17.4421**, and the grayscale version is **9.2543, 9.7362, 10.6028**.

A 20% lighter version of the original color is **26.5494, 25.2821, 15.0359**, and **2.7781, 2.3649, 0.4823** is the 20% darker color. If you saturate the color by 10%, you get **9.9537, 8.8125, 3.1396**, and if you desaturate by 10%, it is **11.3708, 10.8327, 6.1214**.

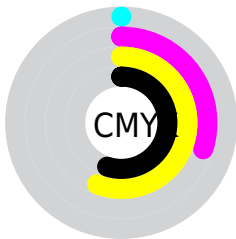
Distribution



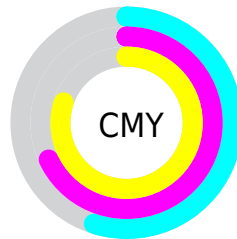
- Red (45%)
- Green (32%)
- Blue (20%)



- Red (45%)
- Yellow (42%)
- Blue (20%)



- Cyan (0%)
- Magenta (30%)
- Yellow (56%)
- Black (55%)





- Cyan (55%)
- Magenta (68%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.6102, 9.7687, 4.4583 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 10.6102, 9.7687, 4.4583 by changing the saturation by 10% instead.


 10.6102, 9.7687,
4.4583


 10.6102, 9.7687,
4.4583


188.9375,
189.0132, 153.1908


 5.8707, 5.2459,
1.8800

 26.5765, 25.3595,
15.0537


 2.8065, 2.3922,
0.4800


 38.5340, 37.1963,
23.9078

 1.0523, 0.8219,
0.0000

 53.6282, 52.2399,
35.6909

 0.0000, 0.0000,
0.0000

 72.2245, 70.8746,
50.8216

 94.6882, 93.4849,
69.7184

 121.3847,

120.4552, 92.7998

152.6793,
152.1698, 120.4844

■ 10.6102, 9.7687,
4.4583

■ 10.6102, 9.7687,
4.4583

■ 9.9537, 8.8125,
3.1396

■ 11.3708, 10.8327,
6.1214

■ 9.3948, 7.9586,
2.1397

■ 12.2400, 12.0068,
8.1512

■ 8.9272, 7.2030,
1.4299

■ 13.2230, 13.2950,
10.5683

■ 8.5395, 6.5395,
0.9558

■ 14.3243, 14.7007,
13.3920

■ 8.3852, 6.2749,
0.7692

■ 15.5481, 16.2270,
16.6402

■ 16.8985, 17.8770,
20.3295

■ 18.3793, 19.6537,
24.4760

■ 19.9941, 21.5598,
29.0946

■ 21.7465, 23.5982,
34.1998

Harmonies

Analogous

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



12.0146, 9.7687, 6.2805



10.6102, 9.7687, 4.4583



8.9836, 9.7687, 4.0574

Triad

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



10.6102, 9.7687, 4.4583



6.5477, 9.7687, 11.5329



11.1974, 9.7687, 19.5180

Complementary

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



10.6102, 9.7687, 4.4583



7.7081, 8.4383, 17.4421

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.



9.5928, 9.7687, 22.0333



10.6102, 9.7687, 4.4583



7.0035, 9.7687, 16.6477

Square

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



10.6102, 9.7687, 4.4583



6.7541, 9.7687, 7.4052



8.0747, 9.7687, 20.8550



12.3800, 9.7687, 14.6928

Rectangle

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



10.6102, 9.7687, 4.4583



8.0144, 9.7687, 4.5082



8.0747, 9.7687, 20.8550



10.6830, 9.7687, 20.7164

Sweetspot

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



10.6104, 9.7692, 4.4585



25.2805, 25.8568, 23.0181



9.8991, 6.6706, 9.3880



5.9578, 6.0756, 5.3019



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.



10.6104, 9.7692, 4.4585



17.4946, 15.2856, 5.0064



13.5580, 15.6643, 5.4410



3.8123, 3.9576, 3.9053



9.5648, 7.1308, 0.8723



45.7674, 33.0634, 3.9697

Inverse Universe

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



7.7081, 8.4383, 17.4421



11.7091, 12.6251, 30.8643



5.7390, 4.5001, 16.7857



3.6466, 3.8819, 4.6473



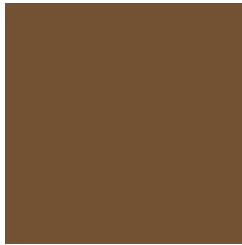
5.4291, 5.1980, 19.2597



25.5928, 23.6022, 93.5671

Previews

White Background



This preview shows how the XYZ color 10.6102, 9.7687, 4.4583 looks on a white background.

Color Contrast Check

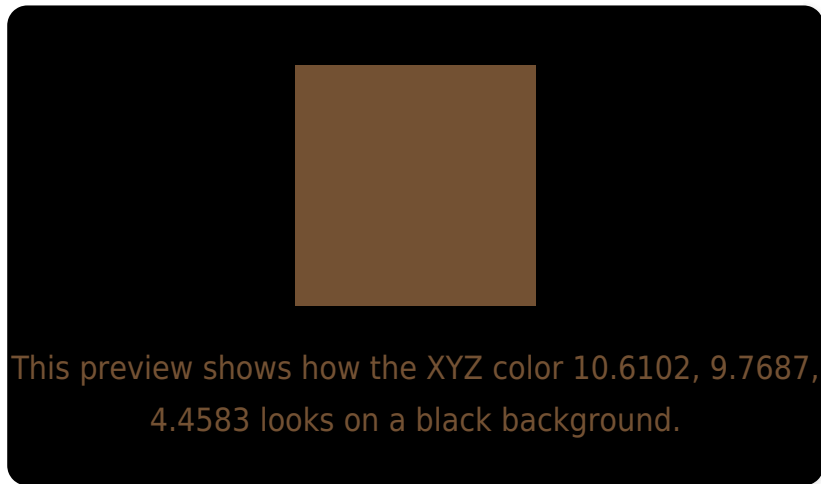
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 10.6102, 9.7687, 4.4583

Background



This preview shows how black text looks on a background with the XYZ color 10.6102, 9.7687, 4.4583.



This preview shows how white text looks on a background with the XYZ color 10.6102, 9.7687,

4.4583.

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

10.6102, 9.7687, 4.4583

Protanopia

9.0853, 9.7872, 4.9003

Deuteranopia

9.9304, 9.7591, 4.3779



Tritanopia

11.6864, 9.7838, 9.4561

Trichromacy



Original Color

10.6102, 9.7687, 4.4583

Protanomaly

9.6000, 9.6971, 4.7339

Deuteranomaly

10.2245, 9.7963, 4.3696

Tritanomaly

11.1978, 9.6856, 7.2406

Monochromacy



Original Color

10.6102, 9.7687, 4.4583

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

9.5555, 9.6017, 8.0063

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.6102, 9.7687, 4.4583 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, 81, 51)` looks like.

```
.text, #text, p{  
    color:rgb(115, 81, 51)  
}
```

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, 81, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 81, 51) }
```

Border

The CSS property to change the border of an element to XYZ 10.6102, 9.7687, 4.4583 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, 81, 51) }
```


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

```
.border{ border-color:rgb(115, 81, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 81, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 81, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 81, 51);  
box-shadow:4px 4px 4px 4px rgb(115, 81,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 10.6102, 9.7687, 4.4583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 81, 51) }
```

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

```
.background{ background-color: rgb(115, 81,  
51) }
```

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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