

Converting Colors

XYZ(12.6315, 11.9961, 9.4348)

Have a look what the booklet for
XYZ(12.6315, 11.9961, 9.4348)
contains.

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Color

**XYZ(12.6485, 12.0303,
9.4400)**

Conversions

Conversions Part 1

Format	Color
Hex	755C51
RGB	117, 92, 81
RGB Percent	46%, 36%, 32%
CMY	0.5412, 0.6392, 0.6824
CMYK	0.00, 0.21, 0.31, 0.54
HSL	18°, 18%, 39%
HSV	18°, 31%, 46%
XYZ	12.6485, 12.0303, 9.4400
YIQ	98.2210, 18.4310, 1.8790

Conversions

Conversions Part 2

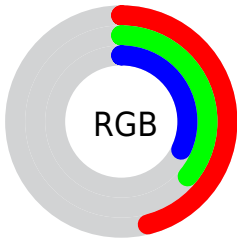
Format	Color
R_{YB}	117, 97, 81
Decimal	7691345
CIE _{Lab}	41.26, 8.44, 10.21
CIE _{LCh}	41, 13.251, 50.418
Yxy	12.0303, 0.3707, 0.3526
Android (android.graphics.Color)	4285881425 (0xFF755C51)
YUV	98.2210, -8.4900, 16.4692
Hunter-Lab	34.6847, 4.3954, 8.1426

Details

The XYZ color **12.6485, 12.0303, 9.4400** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.7581, 13.3414, 18.7852**, and the grayscale version is **11.6821, 12.2904, 13.3843**.

A 20% lighter version of the original color is **30.2798, 29.5038, 25.2180**, and **3.6793, 3.3103, 2.1141** is the 20% darker color. If you saturate the color by 10%, you get **11.5806, 10.5372, 7.1028**, and if you desaturate by 10%, it is **13.8681, 13.7057, 12.2011**.

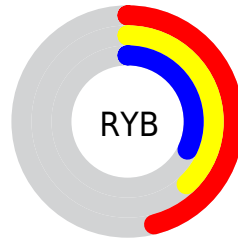
Distribution



Red (46%)

Green (36%)

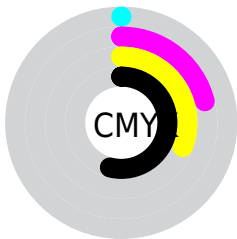
Blue (32%)



Red (46%)

Yellow (38%)

Blue (32%)

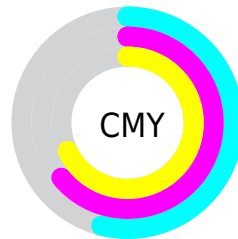


Cyan (0%)

Magenta (21%)

Yellow (31%)

Black (54%)



Cyan (54%)

Magenta (64%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6485, 12.0303, 9.4400 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 12.6485, 12.0303, 9.4400 by changing the saturation by 10% instead.

■ 12.6485, 12.0303,
9.4400

■ 12.6485, 12.0303,
9.4400

202.3360,
204.6058, 196.9645

■ 7.2623, 6.7643,
4.9286

■ 30.2776, 29.5503,
25.3279

■ 3.6744, 3.3151,
2.1474

■ 43.2511, 42.5731,
37.5414

■ 1.5197, 1.2984,
0.6438

■ 59.4845, 58.9502,
53.1593

■ 0.3391, 0.1400,
0.0000

■ 79.3430, 79.0662,
72.6002

■ 0.0000, 0.0000,
0.0000

■ 103.1921,
103.3053, 96.2827

131.3970,

132.0521, 124.6252

164.3232,
165.6907, 158.0463

■ 12.6485, 12.0303,
9.4400

■ 12.6485, 12.0303,
9.4400

■ 11.5806, 10.5372,
7.1028

■ 13.8681, 13.7057,
12.2011

■ 10.6573, 9.2185,
5.1676

■ 15.2444, 15.5678,
15.4051

■ 9.8722, 8.0681,
3.6115

■ 16.7832, 17.6228,
19.0707

■ 9.2179, 7.0788,
2.4091

■ 18.4898, 19.8762,
23.2154

■ 8.6865, 6.2430,
1.5318

■ 20.3692, 22.3330,
27.8556

■ 8.2687, 5.5522,
0.9465

■ 22.4262, 24.9985,
33.0070

■ 7.9598, 5.0291,
0.5512

■ 24.6655, 27.8773,
38.6847

■ 27.0913, 30.9743,
44.9031

■ 29.7081, 34.2939,
51.6760

Harmonies

Analogous

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



13.2487, 12.0303, 11.3438



12.6485, 12.0303, 9.4400



11.7438, 12.0303, 8.5562

Triad

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



12.6485, 12.0303, 9.4400



9.7129, 12.0303, 12.2404



12.0890, 12.0303, 18.6897

Complementary

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



12.6485, 12.0303, 9.4400



11.7581, 13.3414, 18.7852

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.



11.1306, 12.0303, 19.0183



12.6485, 12.0303, 9.4400



9.7939, 12.0303, 15.0264

Square

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



12.6485, 12.0303, 9.4400



10.0730, 12.0303, 10.0175



10.3007, 12.0303, 17.5989



12.9133, 12.0303, 16.7553

Rectangle

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



12.6485, 12.0303, 9.4400



11.1047, 12.0303, 8.5662



10.3007, 12.0303, 17.5989



11.7707, 12.0303, 19.0012

Sweetspot

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



12.6488, 12.0309, 9.4402



27.7023, 28.4199, 28.5398



12.8906, 10.7117, 15.0785



6.2978, 6.4384, 6.3933



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.



12.6488, 12.0309, 9.4402



21.2488, 19.5892, 13.8219



14.3758, 15.4849, 10.0159



3.7668, 3.8666, 3.8901



8.7572, 5.5155, 0.6031



41.9989, 25.5263, 2.7135

Inverse Universe

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



11.7581, 13.3414, 18.7852



19.3765, 22.3314, 33.4261



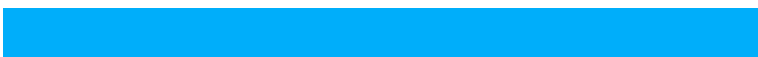
10.1105, 10.0462, 18.2360



3.6934, 3.9754, 4.6629



6.7855, 7.9107, 19.7119



32.2840, 36.9845, 95.7975

Previews

White Background



This preview shows how the XYZ color 12.6485, 12.0303, 9.4400 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 12.6485, 12.0303, 9.4400 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

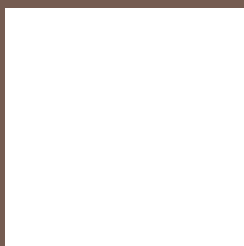
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.6485, 12.0303, 9.4400

Background



This preview shows how black text looks on a background with the XYZ color 12.6485, 12.0303, 9.4400.



This preview shows how white text looks on a background with the XYZ color 12.6485, 12.0303,

9.4400.

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

12.6485, 12.0303, 9.4400

Protanopia

11.3544, 12.0143, 10.1080

Deuteranopia

12.2980, 12.1102, 9.4739



Tritanopia

13.4216, 12.0973, 12.9369

Trichromacy



Original Color

12.6485, 12.0303, 9.4400

Protanomaly

11.7169, 11.9348, 9.8697

Deuteranomaly

12.3390, 12.0002, 9.4505

Tritanomaly

13.1006, 12.0891, 11.5405

Monochromacy



Original Color

12.6485, 12.0303, 9.4400

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.9403, 12.1417, 11.8395

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6485, 12.0303, 9.4400 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, 92, 81)` looks like.

```
.text, #text, p{  
    color:rgb(117, 92, 81)  
}
```

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, 92, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 92, 81) }
```

Border

The CSS property to change the border of an element to XYZ 12.6485, 12.0303, 9.4400 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, 92, 81) }
```


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

```
.border{ border-color:rgb(117, 92, 81) }
```

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

Here you see how a box with a 4 pixel rgb(117, 92, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 92, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 92, 81);  
box-shadow:4px 4px 4px 4px rgb(117, 92,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6485, 12.0303, 9.4400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 92, 81) }
```

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

```
.background{ background-color: rgb(117, 92,  
81) }
```

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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