

Converting Colors

XYZ(12.0248, 10.6789, 7.5587)

Have a look what the booklet for
XYZ(12.0248, 10.6789, 7.5587)
contains.

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Color

**XYZ(12.0087, 10.6475,
7.5531)**

Conversions

Conversions Part 1

Format	Color
Hex	785348
RGB	120, 83, 72
RGB Percent	47%, 33%, 28%
CMY	0.5294, 0.6745, 0.7176
CMYK	0.00, 0.31, 0.40, 0.53
HSL	14°, 25%, 38%
HSV	14°, 40%, 47%
XYZ	12.0087, 10.6475, 7.5531
YIQ	92.8090, 25.5830, 4.4230

Conversions

Conversions Part 2

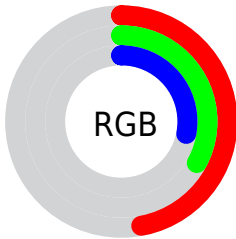
Format	Color
R_{YB}	120, 86, 72
Decimal	7885640
CIE _{Lab}	38.98, 13.91, 12.62
CIE _{LCh}	39, 18.779, 42.210
Yxy	10.6475, 0.3975, 0.3525
Android (android.graphics.Color)	4286075720 (0xFF785348)
YUV	92.8090, -10.2588, 23.8465
Hunter-Lab	32.6305, 8.5883, 9.1173

Details

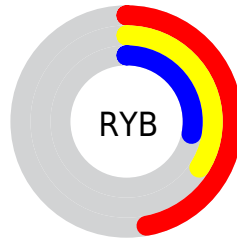
The XYZ color **12.0087, 10.6475, 7.5531** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **11.5310, 13.6704, 19.8002**, and the grayscale version is **10.3792, 10.9197, 11.8916**.

A 20% lighter version of the original color is **29.2943, 27.1542, 21.7865**, and **3.4285, 2.7722, 1.4530** is the 20% darker color. If you saturate the color by 10%, you get **10.9938, 9.1841, 5.4683**, and if you desaturate by 10%, it is **13.1951, 12.3313, 10.0723**.

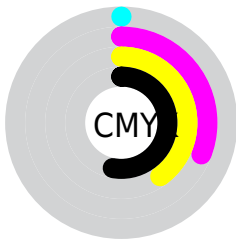
Distribution



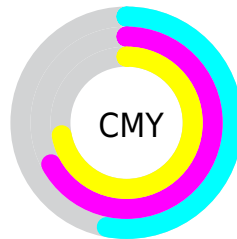
- Red (47%)
- Green (33%)
- Blue (28%)



- Red (47%)
- Yellow (34%)
- Blue (28%)



- Cyan (0%)
- Magenta (31%)
- Yellow (40%)
- Black (53%)



- Cyan (53%)
- Magenta (67%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0087, 10.6475, 7.5531 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 12.0087, 10.6475, 7.5531 by changing the saturation by 10% instead.

■ 12.0087, 10.6475,
7.5531

■ 12.0087, 10.6475,
7.5531

198.2316,
195.2330, 181.9852

■ 6.8218, 5.8303,
3.7267

■ 29.1277, 27.0065,
21.6091

■ 3.3963, 2.7422,
1.4766

■ 41.7905, 39.3171,
32.6757

■ 1.3666, 0.9987,
0.2004

■ 57.6760, 54.8942,
46.9929

■ 0.2323, 0.0000,
0.0000

■ 77.1496, 74.1224,
64.9791

■ 0.0000, 0.0000,
0.0000

■ 100.5766, 97.3860,
87.0529

128.3224,

125.0693, 113.6328

160.7522,
157.5569, 145.1374

■ 12.0087, 10.6475,
7.5531

■ 12.0087, 10.6475,
7.5531

■ 10.9938, 9.1841,
5.4683

■ 13.1951, 12.3313,
10.0723

■ 10.1413, 7.9305,
3.7926

■ 14.5596, 14.2428,
13.0482

■ 9.4426, 6.8772,
2.4989

■ 16.1099, 16.3904,
16.5021

■ 8.8879, 6.0135,
1.5565

■ 17.8524, 18.7822,
20.4539

■ 8.4661, 5.3277,
0.9300

■ 19.7938, 21.4254,
24.9223

■ 8.1494, 4.8004,
0.4971

■ 21.9400, 24.3271,
29.9250

■ 8.1494, 4.8004,
0.4971

■ 24.2970, 27.4942,
35.4791

■ 26.8702, 30.9333,
41.6006

■ 29.6651, 34.6505,
48.3050

Harmonies

Analogous

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



12.6583, 10.6475, 10.1964



12.0087, 10.6475, 7.5531



10.8731, 10.6475, 6.1925

Triad

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



12.0087, 10.6475, 7.5531



7.9979, 10.6475, 9.6130



10.6375, 10.6475, 19.7154

Complementary

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



12.0087, 10.6475, 7.5531



11.5310, 13.6704, 19.8002

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.



9.4027, 10.6475, 19.4691



12.0087, 10.6475, 7.5531



7.9462, 10.6475, 13.1124

Square

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



12.0087, 10.6475, 7.5531



8.5883, 10.6475, 7.2022



8.4407, 10.6475, 16.8657



11.8240, 10.6475, 17.4821

Rectangle

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



12.0087, 10.6475, 7.5531



10.0277, 10.6475, 5.9814



8.4407, 10.6475, 16.8657



10.2132, 10.6475, 19.9309

Sweetspot

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



12.0090, 10.6480, 7.5533



27.6793, 27.9237, 27.5543



12.8559, 9.7450, 15.8413



6.4943, 6.5272, 6.3837



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



12.0090, 10.6480, 7.5533



19.4721, 16.3511, 9.8920



14.1108, 14.8517, 8.2539



4.0660, 4.1504, 4.2113



8.8808, 5.2175, 0.5390



41.8145, 23.7925, 2.3885

Inverse Universe

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



11.5310, 13.6704, 19.8002



18.4972, 22.4313, 34.6078



9.3587, 9.3257, 19.0761



4.0329, 4.3641, 5.0730



7.9095, 9.9013, 20.8796



37.0633, 45.8993, 99.3758

Previews

White Background



This preview shows how the XYZ color 12.0087, 10.6475, 7.5531 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 12.0087, 10.6475, 7.5531 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 12.0087, 10.6475, 7.5531

Background



This preview shows how black text looks on a background with the XYZ color 12.0087, 10.6475, 7.5531.



This preview shows how white text looks on a background with the XYZ color 12.0087, 10.6475,

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

12.0087, 10.6475, 7.5531

Protanopia

10.0614, 10.7175, 8.3759

Deuteranopia

10.8114, 10.6225, 7.4418



Tritanopia

12.5479, 10.6379, 10.4088

Trichromacy



Original Color

12.0087, 10.6475, 7.5531

Protanomaly

10.6681, 10.6560, 8.1512

Deuteranomaly

11.1472, 10.5553, 7.4111

Tritanomaly

12.4254, 10.7087, 9.3947

Monochromacy



Original Color

12.0087, 10.6475, 7.5531

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

10.8056, 10.6842, 10.0871

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0087, 10.6475, 7.5531 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(120, 83, 72)` looks like.

```
.text, #text, p{  
    color:rgb(120, 83, 72)  
}
```

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(120, 83, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 83, 72) }
```

Border

The CSS property to change the border of an element to XYZ 12.0087, 10.6475, 7.5531 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(120, 83, 72) }
```


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

```
.border{ border-color:rgb(120, 83, 72) }
```

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

Here you see how a box with a 4 pixel rgb(120, 83, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 83, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 83, 72);  
box-shadow:4px 4px 4px 4px rgb(120, 83,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0087, 10.6475, 7.5531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 83, 72) }
```

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

```
.background{ background-color: rgb(120, 83,  
72) }
```

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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