

Converting Colors

XYZ(11.7750, 12.0835, 10.9444)

Have a look what the booklet for
XYZ(11.7750, 12.0835, 10.9444)
contains.

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Color

**XYZ(11.7700, 12.0736,
10.9426)**

Conversions

Conversions Part 1

Format	Color
Hex	696058
RGB	105, 96, 88
RGB Percent	41%, 38%, 35%
CMY	0.5882, 0.6235, 0.6549
CMYK	0.00, 0.09, 0.16, 0.59
HSL	28°, 9%, 38%
HSV	28°, 16%, 41%
XYZ	11.7700, 12.0736, 10.9426
YIQ	97.7790, 7.9320, -0.5800

Conversions

Conversions Part 2

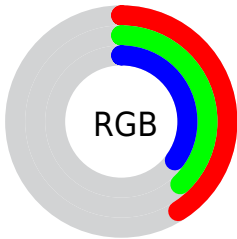
Format	Color
R_{YB}	105, 103, 88
Decimal	6905944
CIE Lab	41.33, 2.10, 5.86
CIE LCh	41, 6.227, 70.335
Yxy	12.0736, 0.3384, 0.3471
Android (android.graphics.Color)	4285096024 (0xFF696058)
YUV	97.7790, -4.8210, 6.3328
Hunter-Lab	34.7471, -0.3435, 5.6513

Details

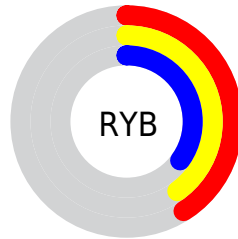
The XYZ color **11.7700, 12.0736, 10.9426** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.8489, 11.6436, 15.0403**, and the grayscale version is **11.5650, 12.1673, 13.2502**.

A 20% lighter version of the original color is **28.5766, 29.4607, 28.2251**, and **3.3216, 3.3552, 2.7580** is the 20% darker color. If you saturate the color by 10%, you get **10.8769, 10.9339, 8.6514**, and if you desaturate by 10%, it is **12.7623, 13.3111, 13.5763**.

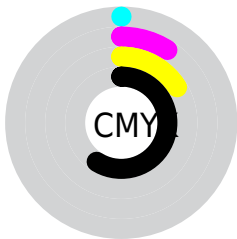
Distribution



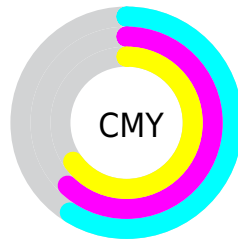
- Red (41%)
- Green (38%)
- Blue (35%)



- Red (41%)
- Yellow (40%)
- Blue (35%)



- Cyan (0%)
- Magenta (9%)
- Yellow (16%)
- Black (59%)



- Cyan (59%)
- Magenta (62%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7700, 12.0736, 10.9426 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 11.7700, 12.0736, 10.9426 by changing the saturation by 10% instead.

■ 11.7700, 12.0736,
10.9426

■ 11.7700, 12.0736,
10.9426

196.6778,
204.8919, 207.9966

■ 6.6583, 6.7938,
5.9146

■ 28.6960, 29.6291,
28.1890

■ 3.2938, 3.3335,
2.7252

■ 41.2411, 42.6736,
41.2444

■ 1.3110, 1.3082,
0.9561

■ 56.9947, 59.0751,
57.8128

■ 0.1914, 0.1476,
0.0000

■ 76.3221, 79.2180,
78.3125

■ 0.0000, 0.0000,
0.0000

■ 99.5888, 103.4868,
103.1623

127.1601,

132.2658, 132.7805

159.4013,
165.9394, 167.5858

■ 11.7700, 12.0736,
10.9426

■ 11.7700, 12.0736,
10.9426

■ 10.8769, 10.9339,
8.6514

■ 12.7623, 13.3111,
13.5763

■ 10.0786, 9.8880,
6.6877

■ 13.8560, 14.6473,
16.5651

■ 9.3718, 8.9336,
5.0363

■ 15.0545, 16.0850,
19.9221

■ 8.7526, 8.0680,
3.6808

■ 16.3608, 17.6266,
23.6593

■ 8.2168, 7.2881,
2.6030

■ 17.7776, 19.2740,
27.7883

■ 7.7599, 6.5909,
1.7829

■ 19.3077, 21.0296,
32.3200

■ 7.3766, 5.9727,
1.1976

■ 20.9535, 22.8953,
37.2651

■ 7.0554, 5.4276,
0.7907

■ 22.7178, 24.8730,
42.6337

■ 6.9420, 5.2358,
0.6447

■ 24.6028, 26.9648,
48.4358

Harmonies

Analogous

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



12.1496, 12.0736, 11.6027



11.7700, 12.0736, 10.9426



11.3207, 12.0736, 10.8503

Triad

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



11.7700, 12.0736, 10.9426



10.6432, 12.0736, 13.5969



12.0463, 12.0736, 15.1323

Complementary

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



11.7700, 12.0736, 10.9426



10.8489, 11.6436, 15.0403

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.



11.6319, 12.0736, 15.7448



11.7700, 12.0736, 10.9426



10.8270, 12.0736, 14.8206

Square

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



11.7700, 12.0736, 10.9426



10.6779, 12.0736, 12.3277



11.1861, 12.0736, 15.6272



12.3120, 12.0736, 14.0000

Rectangle

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



11.7700, 12.0736, 10.9426



11.0430, 12.0736, 11.1163



11.1861, 12.0736, 15.6272



11.9193, 12.0736, 15.4091

Sweetspot

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



11.7703, 12.0741, 10.9429



23.0487, 24.0771, 24.8396



11.4763, 10.8471, 12.8145



5.3768, 5.6126, 5.7584



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



11.7703, 12.0741, 10.9429



20.5198, 20.9157, 18.1501



12.5812, 13.6960, 11.2132



3.2063, 3.3298, 3.2912



8.7530, 6.5558, 0.8041



43.7442, 31.6921, 3.8116

Inverse Universe

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



10.8489, 11.6436, 15.0403



18.5714, 20.0054, 26.8136



10.1109, 10.1676, 14.7943



3.0686, 3.2655, 3.9034



4.9557, 4.7456, 17.5771



24.3756, 22.4297, 89.2708

Previews

White Background



This preview shows how the XYZ color 11.7700, 12.0736, 10.9426 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 11.7700, 12.0736, 10.9426 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

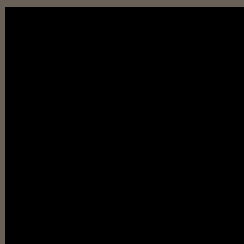
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.7700, 12.0736, 10.9426

Background



This preview shows how black text looks on a background with the XYZ color 11.7700, 12.0736, 10.9426.



This preview shows how white text looks on a background with the XYZ color 11.7700, 12.0736,

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

11.7700, 12.0736, 10.9426

Protanopia

11.4447, 12.0374, 11.1714

Deuteranopia

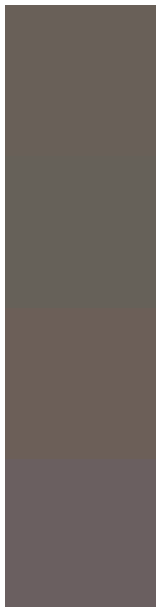
12.1946, 12.0250, 10.9108



Tritanopia

12.4151, 12.0708, 13.9875

Trichromacy



Original Color

11.7700, 12.0736, 10.9426

Protanomaly

11.5574, 12.0954, 11.1767

Deuteranomaly

12.0380, 12.0771, 10.9292

Tritanomaly

12.1474, 12.0931, 12.7603

Monochromacy



Original Color

11.7700, 12.0736, 10.9426

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.6619, 12.1242, 12.3152

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7700, 12.0736, 10.9426 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(105, 96, 88)` looks like.

```
.text, #text, p{  
    color:rgb(105, 96, 88)  
}
```

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(105, 96, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 96, 88) }
```

Border

The CSS property to change the border of an element to XYZ 11.7700, 12.0736, 10.9426 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(105, 96, 88) }
```


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

```
.border{ border-color:rgb(105, 96, 88) }
```

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

Here you see how a box with a 4 pixel rgb(105, 96, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 96, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 96, 88);  
box-shadow:4px 4px 4px 4px rgb(105, 96,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7700, 12.0736, 10.9426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 96, 88) }
```

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

```
.background{ background-color: rgb(105, 96,  
88) }
```

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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