

Converting Colors

XYZ(12.6784, 10.3546, 18.1351)

Have a look what the booklet for
XYZ(12.6784, 10.3546, 18.1351)
contains.

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Color

**XYZ(12.6890, 10.3211,
18.1530)**

Conversions

Conversions Part 1

Format	Color
Hex	704F75
RGB	112, 79, 117
RGB Percent	44%, 31%, 46%
CMY	0.5608, 0.6902, 0.5412
CMYK	0.04, 0.32, 0.00, 0.54
HSL	292°, 19%, 38%
HSV	292°, 32%, 46%
XYZ	12.6890, 10.3211, 18.1530
YIQ	93.1990, 7.4700, 18.8140

Conversions

Conversions Part 2

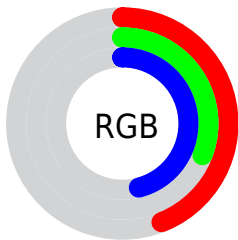
Format	Color
R_{YB}	112, 79, 117
Decimal	7360373
CIE _{Lab}	38.41, 21.01, -16.26
CIE _{LCh}	38, 26.565, 322.257
Yxy	10.3211, 0.3083, 0.2507
Android (android.graphics.Color)	4285550453 (0xFF704F75)
YUV	93.1990, 11.7339, 16.4885
Hunter-Lab	32.1265, 14.2809, -11.0132

Details

The XYZ color **12.6890, 10.3211, 18.1530** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **11.4291, 15.1722, 9.7238**, and the grayscale version is **10.4235, 10.9663, 11.9423**.

A 20% lighter version of the original color is **30.3215, 26.4576, 41.0448**, and **3.6961, 2.6305, 5.9432** is the 20% darker color. If you saturate the color by 10%, you get **11.7241, 8.6795, 17.8871**, and if you desaturate by 10%, it is **13.8064, 12.2625, 18.4690**.

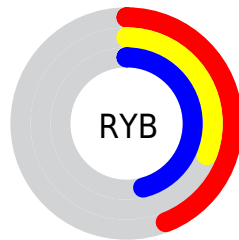
Distribution



Red (44%)

Green (31%)

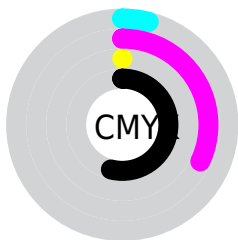
Blue (46%)



Red (44%)

Yellow (31%)

Blue (46%)

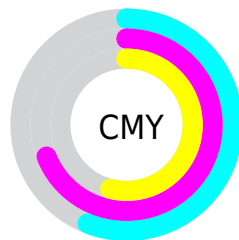


Cyan (4%)

Magenta (32%)

Yellow (0%)

Black (54%)



Cyan (56%)

Magenta (69%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6890, 10.3211, 18.1530 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 12.6890, 10.3211, 18.1530 by changing the saturation by 10% instead.

12.6890, 10.3211,
18.1530

12.6890, 10.3211,
18.1530

202.5929,
192.9487, 253.9970

7.2903, 5.6124,
10.8893

30.3500, 26.3977,
41.1153

3.6922, 2.6108,
5.8792

43.3430, 38.5344,
57.6510

1.5295, 0.9321,
2.7042

59.5981, 53.9159,
78.1145

0.3458, 0.0000,
0.9455

79.4807, 72.9265,
102.9242

0.0000, 0.0000,
0.0000

103.3561, 95.9507,
132.4988

131.5897,

123.3729, 167.2568

164.5469,
155.5774, 207.6167

■ 12.6890, 10.3211,
18.1530

■ 12.6890, 10.3211,
18.1530

■ 11.7241, 8.6795,
17.8871

■ 13.8064, 12.2625,
18.4690

■ 10.9030, 7.3206,
17.6681

■ 15.0827, 14.5167,
18.8368

■ 10.2175, 6.2281,
17.4934

■ 16.5249, 17.0978,
19.2590

■ 9.6582, 5.3829,
17.3597

■ 18.1394, 20.0184,
19.7377

■ 9.2143, 4.7639,
17.2636

■ 19.9321, 23.2905,
20.2748

8.8731, 4.3451,
17.2008

21.9090, 26.9257,
20.8722

8.6459, 4.0862,
17.1628

24.0753, 30.9347,
21.5319

26.4364, 35.3282,
22.2554

28.9973, 40.1161,
23.0446

Harmonies

Analogous

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



11.1274, 10.3211, 22.5910



12.6890, 10.3211, 18.1530



13.4975, 10.3211, 12.5738

Triad

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



12.6890, 10.3211, 18.1530



10.2659, 10.3211, 4.1843



7.0369, 10.3211, 15.2556

Complementary

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



12.6890, 10.3211, 18.1530



11.4291, 15.1722, 9.7238

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.



6.8637, 10.3211, 10.0002



12.6890, 10.3211, 18.1530



8.6007, 10.3211, 4.5158

Square

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



12.6890, 10.3211, 18.1530



11.9951, 10.3211, 5.2530



7.4030, 10.3211, 6.3486



7.9077, 10.3211, 20.6037

Rectangle

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



12.6890, 10.3211, 18.1530



13.4412, 10.3211, 9.3305



7.4030, 10.3211, 6.3486



6.8997, 10.3211, 13.3890

Sweetspot

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



12.6893, 10.3215, 18.1532



27.5553, 26.9690, 33.8902



9.6113, 9.2981, 18.1179



6.2728, 6.0889, 7.7736



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.



12.6893, 10.3215, 18.1532



21.3965, 16.2200, 32.1400



12.5840, 10.3549, 14.1853



3.7815, 3.7347, 4.6118



9.5168, 4.4974, 18.9091



45.8611, 21.6508, 92.1222

Inverse Universe

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



11.7327, 10.0144, 9.7025



19.4381, 15.6022, 14.3454



11.5589, 15.1742, 12.6606



3.7018, 3.7080, 3.9563



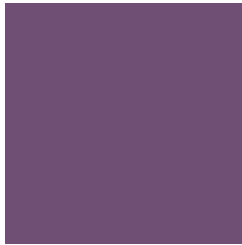
8.1771, 4.2046, 0.8749



39.6613, 20.4147, 3.2800

Previews

White Background



This preview shows how the XYZ color 12.6890, 10.3211, 18.1530 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 12.6890, 10.3211, 18.1530 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 12.6890, 10.3211, 18.1530

Background



This preview shows how black text looks on a background with the XYZ color 12.6890, 10.3211, 18.1530.



This preview shows how white text looks on a background with the XYZ color 12.6890, 10.3211,

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

12.6890, 10.3211, 18.1530

Protanopia

10.5823, 10.3309, 20.8384

Deuteranopia

10.5974, 10.4088, 17.6702



Tritanopia

11.2430, 10.2841, 11.2900

Trichromacy



Original Color

12.6890, 10.3211, 18.1530

Protanomaly

11.1750, 10.1775, 19.7878

Deuteranomaly

11.2248, 10.2447, 17.9088

Tritanomaly

11.6242, 10.2059, 13.4139

Monochromacy



Original Color

12.6890, 10.3211, 18.1530

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

11.1435, 10.6481, 14.0383

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6890, 10.3211, 18.1530 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(112, 79, 117)` looks like.

```
.text, #text, p{  
    color:rgb(112, 79, 117)  
}
```

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(112, 79, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 79, 117) }
```

Border

The CSS property to change the border of an element to XYZ 12.6890, 10.3211, 18.1530 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(112, 79, 117) }
```


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

```
.border{ border-color:rgb(112, 79, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 79, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 79, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 79, 117);  
box-shadow:4px 4px 4px 4px rgb(112, 79,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6890, 10.3211, 18.1530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 79, 117) }
```

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

```
.background{ background-color: rgb(112, 79,  
117) }
```

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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