

Converting Colors

XYZ(12.2553, 11.3680, 18.6746)

Have a look what the booklet for
XYZ(12.2553, 11.3680, 18.6746)
contains.

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Color

**XYZ(12.2930, 11.3870,
18.6895)**

Conversions

Conversions Part 1

Format	Color
Hex	655A76
RGB	101, 90, 118
RGB Percent	40%, 35%, 46%
CMY	0.6039, 0.6471, 0.5373
CMYK	0.14, 0.24, 0.00, 0.54
HSL	264°, 13%, 41%
HSV	264°, 24%, 46%
XYZ	12.2930, 11.3870, 18.6895
YIQ	96.4810, -2.4320, 11.0400

Conversions

Conversions Part 2

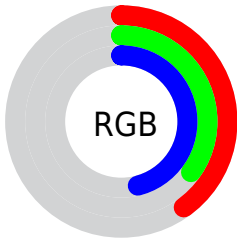
Format	Color
R_{YB}	101, 90, 118
Decimal	6642294
CIE _{Lab}	40.22, 10.51, -14.21
CIE _{LCh}	40, 17.675, 306.485
Yxy	11.3870, 0.2901, 0.2688
Android (android.graphics.Color)	4284832374 (0xFF655A76)
YUV	96.4810, 10.6089, 3.9632
Hunter-Lab	33.7446, 5.9736, -9.2166

Details

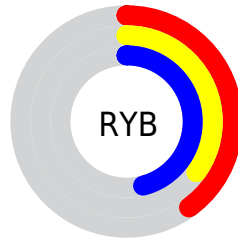
The XYZ color **12.2930, 11.3870, 18.6895** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **14.3876, 16.8211, 12.1618**, and the grayscale version is **11.2109, 11.7947, 12.8444**.

A 20% lighter version of the original color is **29.5827, 28.3338, 41.9400**, and **3.5275, 3.0278, 6.1929** is the 20% darker color. If you saturate the color by 10%, you get **10.6082, 9.1566, 18.3480**, and if you desaturate by 10%, it is **14.2065, 13.9705, 19.0875**.

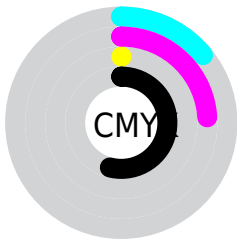
Distribution



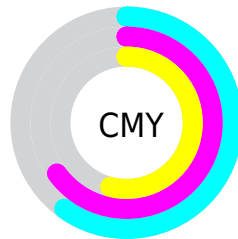
- Red (40%)
- Green (35%)
- Blue (46%)



- Red (40%)
- Yellow (35%)
- Blue (46%)



- Cyan (14%)
- Magenta (24%)
- Yellow (0%)
- Black (54%)



- Cyan (60%)
- Magenta (65%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2930, 11.3870, 18.6895 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 12.2930, 11.3870, 18.6895 by changing the saturation by 10% instead.

■ 12.2930, 11.3870,
18.6895

■ 12.2930, 11.3870,
18.6895

200.0660,
200.3037, 257.0946

■ 7.0172, 6.3278,
11.2716

■ 29.6399, 28.3736,
42.0385

■ 3.5193, 3.0454,
6.1334

■ 42.4416, 41.0698,
58.8066

■ 1.4339, 1.1555,
2.8562

■ 58.4827, 57.0804,
79.5285

■ 0.2802, 0.0249,
1.0217

■ 78.1286, 76.7898,
104.6229

■ 0.0000, 0.0000,
0.0000

■ 101.7445,
100.5825, 134.5081

129.6958,

128.8427, 169.6027

162.3478,
161.9550, 210.3254

■ 12.2930, 11.3870,
18.6895

■ 12.2930, 11.3870,
18.6895

■ 10.6082, 9.1566,
18.3480

■ 14.2065, 13.9705,
19.0875

■ 9.1418, 7.2621,
18.0596

■ 16.3563, 16.9203,
19.5436

■ 7.8843, 5.6869,
17.8218

■ 18.7509, 20.2511,
20.0602

■ 6.8249, 4.4124,
17.6316

■ 21.3981, 23.9758,
20.6397

■ 5.9520, 3.4180,
17.4857

■ 24.3054, 28.1071,
21.2839

■ 5.2522, 2.6806,
17.3803

■ 27.4798, 32.6569,
21.9948

■ 4.7081, 2.1686,
17.3101

■ 30.9282, 37.6367,
22.7742

■ 4.4129, 1.8972,
17.2733

■ 34.6571, 43.0576,
23.6240

■ 38.6729, 48.9302,
24.5459

Harmonies

Analogous

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



11.0927, 11.3870, 20.4313



12.2930, 11.3870, 18.6895



13.1428, 11.3870, 15.3059

Triad

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



12.2930, 11.3870, 18.6895



11.7956, 11.3870, 7.1616



8.6365, 11.3870, 13.1804

Complementary

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



12.2930, 11.3870, 18.6895



14.3876, 16.8211, 12.1618

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.



8.7936, 11.3870, 9.8847



12.2930, 11.3870, 18.6895



10.5577, 11.3870, 6.8071

Square

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



12.2930, 11.3870, 18.6895



12.8407, 11.3870, 8.7873



9.4751, 11.3870, 7.7061



9.0286, 11.3870, 16.8841

Rectangle

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



12.2930, 11.3870, 18.6895



13.3628, 11.3870, 12.8189



9.4751, 11.3870, 7.7061



8.6273, 11.3870, 11.9874

Sweetspot

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



12.2934, 11.3875, 18.6898



27.4087, 27.8890, 34.0755



12.7723, 14.0531, 19.1790



6.2673, 6.3649, 7.8272



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.



12.2934, 11.3875, 18.6898



20.0939, 17.9976, 32.5518



13.9617, 12.2475, 18.7678



3.6241, 3.6535, 4.6044



4.7606, 2.0455, 18.6865



22.2955, 9.5022, 91.0193

Inverse Universe

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



13.7815, 12.2258, 15.5437



23.1861, 19.7411, 25.9444



12.8655, 16.0364, 12.0906



3.7686, 3.7347, 4.3081



9.3295, 4.6655, 6.9431



45.0336, 22.5635, 31.5698

Previews

White Background



This preview shows how the XYZ color 12.2930, 11.3870, 18.6895 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 12.2930, 11.3870, 18.6895 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 12.2930, 11.3870, 18.6895

Background



This preview shows how black text looks on a background with the XYZ color 12.2930, 11.3870, 18.6895.



This preview shows how white text looks on a background with the XYZ color 12.2930, 11.3870,

18.6895.

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

12.2930, 11.3870, 18.6895

Protanopia

11.4784, 11.4606, 19.6963

Deuteranopia

11.6394, 11.4402, 18.4243



Tritanopia

11.3003, 11.3650, 13.9100

Trichromacy



Original Color

12.2930, 11.3870, 18.6895

Protanomaly

11.8187, 11.5119, 19.3684

Deuteranomaly

11.8619, 11.4254, 18.4098

Tritanomaly

11.6266, 11.3685, 15.4915

Monochromacy



Original Color

12.2930, 11.3870, 18.6895

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.5384, 11.6016, 14.7279

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2930, 11.3870, 18.6895 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(101, 90, 118)` looks like.

```
.text, #text, p{  
    color:rgb(101, 90, 118)  
}
```

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(101, 90, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 90, 118) }
```

Border

The CSS property to change the border of an element to XYZ 12.2930, 11.3870, 18.6895 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(101, 90, 118) }
```


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

```
.border{ border-color:rgb(101, 90, 118) }
```

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

Here you see how a box with a 4 pixel rgb(101, 90, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 90, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 90, 118);  
box-shadow:4px 4px 4px 4px rgb(101, 90,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2930, 11.3870, 18.6895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 90, 118) }
```

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

```
.background{ background-color: rgb(101, 90,  
118) }
```

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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