

Converting Colors

XYZ(13.0914, 10.0802, 16.4395)

Have a look what the booklet for
XYZ(13.0914, 10.0802, 16.4395)
contains.

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Color

**XYZ(13.1191, 10.0605,
16.5796)**

Conversions

Conversions Part 1

Format	Color
Hex	784A70
RGB	120, 74, 112
RGB Percent	47%, 29%, 44%
CMY	0.5294, 0.7098, 0.5608
CMYK	0.00, 0.38, 0.07, 0.53
HSL	310°, 24%, 38%
HSV	310°, 38%, 47%
XYZ	13.1191, 10.0605, 16.5796
YIQ	92.0860, 15.2180, 21.5700

Conversions

Conversions Part 2

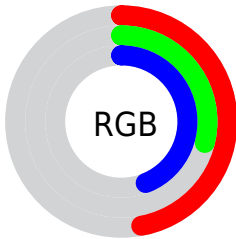
Format	Color
R_{YB}	120, 74, 112
Decimal	7883376
CIE _{Lab}	37.95, 25.85, -13.78
CIE _{LCh}	38, 29.297, 331.941
Yxy	10.0605, 0.3300, 0.2530
Android (android.graphics.Color)	4286073456 (0xFF784A70)
YUV	92.0860, 9.8176, 24.4806
Hunter-Lab	31.7183, 18.3229, -8.7889

Details

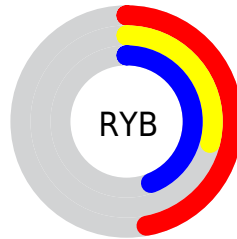
The XYZ color **13.1191, 10.0605, 16.5796** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **11.0639, 15.4982, 10.3916**, and the grayscale version is **10.1684, 10.6980, 11.6501**.

A 20% lighter version of the original color is **31.1421, 25.9799, 38.4952**, and **3.8665, 2.5028, 5.1298** is the 20% darker color. If you saturate the color by 10%, you get **12.2783, 8.5626, 15.7327**, and if you desaturate by 10%, it is **14.1161, 11.8661, 17.4921**.

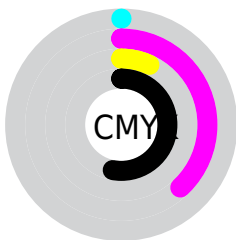
Distribution



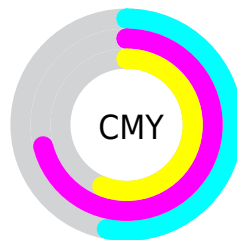
- Red (47%)
- Green (29%)
- Blue (44%)



- Red (47%)
- Yellow (29%)
- Blue (44%)



- Cyan (0%)
- Magenta (38%)
- Yellow (7%)
- Black (53%)





- Cyan (53%)
- Magenta (71%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.1191, 10.0605, 16.5796 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 13.1191, 10.0605, 16.5796 by changing the saturation by 10% instead.


 13.1191, 10.0605,
16.5796


 13.1191, 10.0605,
16.5796


205.3018,
191.1033, 244.6993


 7.5882, 5.4391,
9.7764


 31.1171, 25.9092,
38.3822


 3.8822, 2.5071,
5.1473

 44.3149, 37.9053,
54.2188

 1.6357, 0.8802,
2.2737

 60.7989, 53.1285,
73.9035

 0.4155, 0.0000,
0.7164

 80.9347, 71.9630,
97.8550

 0.0000, 0.0000,
0.0000

 105.0875, 94.7934,
126.4918

133.6227,

122.0040, 160.2324

166.9057,
153.9791, 199.4954

■ 13.1191, 10.0605,
16.5796

■ 13.1191, 10.0605,
16.5796

■ 12.2783, 8.5626,
15.7327

■ 14.1161, 11.8661,
17.4921

■ 11.5840, 7.3536,
14.9477

■ 15.2763, 13.9941,
18.4722

■ 11.0269, 6.4147,
14.2216

■ 16.6077, 16.4599,
19.5229


■ 10.5963, 5.7244,
13.5506

■ 18.1171, 19.2776,
20.6465


■ 10.2796, 5.2579,
12.9306


■ 19.8113, 22.4602,
21.8453


 10.0426, 4.9466,
12.3500

 21.6964, 26.0204,
23.1215

 10.0041, 4.8964,
12.2547

 23.7786, 29.9702,
24.4772

 26.0635, 34.3208,
25.9143

 28.5566, 39.0833,
27.4348

Harmonies

Analogous

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



11.6044, 10.0605, 22.2938



13.1191, 10.0605, 16.5796



13.6480, 10.0605, 10.6074

Triad

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



13.1191, 10.0605, 16.5796



9.4403, 10.0605, 3.5244



6.8116, 10.0605, 17.3929

Complementary

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



13.1191, 10.0605, 16.5796



11.0639, 15.4982, 10.3916

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.



6.3860, 10.0605, 11.3085



13.1191, 10.0605, 16.5796



7.7749, 10.0605, 4.3094

Square

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



13.1191, 10.0605, 16.5796



11.3649, 10.0605, 4.1239



6.7144, 10.0605, 6.7713



7.9610, 10.0605, 22.8615

Rectangle

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



13.1191, 10.0605, 16.5796



13.3214, 10.0605, 7.5241



6.7144, 10.0605, 6.7713



6.5865, 10.0605, 15.2945

Sweetspot

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



13.1194, 10.0610, 16.5798



28.4897, 27.6123, 33.7810



9.2902, 8.0331, 18.8303



6.6917, 6.4324, 7.9588



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.



13.1194, 10.0610, 16.5798



21.7594, 15.3496, 27.8443



12.0121, 9.6180, 10.7486



4.1260, 4.0661, 4.8612



10.9093, 5.3399, 13.3452



51.7601, 25.3604, 62.1923

Inverse Universe

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



13.1194, 10.0610, 16.5798



21.7594, 15.3496, 27.8443



12.0736, 15.9021, 15.7084



4.1260, 4.0661, 4.8612



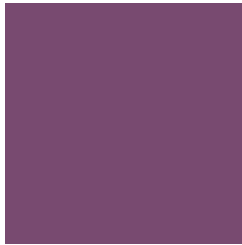
10.9093, 5.3399, 13.3452



51.7601, 25.3604, 62.1923

Previews

White Background



This preview shows how the XYZ color 13.1191, 10.0605, 16.5796 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 13.1191, 10.0605, 16.5796 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 13.1191, 10.0605, 16.5796

Background



This preview shows how black text looks on a background with the XYZ color 13.1191, 10.0605, 16.5796.



This preview shows how white text looks on a background with the XYZ color 13.1191, 10.0605,

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

13.1191, 10.0605, 16.5796

Protanopia

10.4558, 10.2803, 20.1721

Deuteranopia

10.3699, 10.2074, 15.8917



Tritanopia

11.7718, 10.0297, 9.9098

Trichromacy



Original Color

13.1191, 10.0605, 16.5796

Protanomaly

11.2194, 10.1055, 18.8120

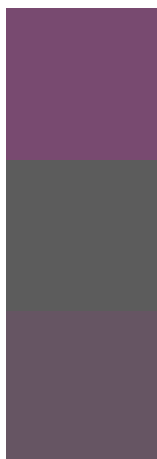
Deuteranomaly

11.1633, 10.0216, 16.0979

Tritanomaly

12.1906, 9.9855, 12.1114

Monochromacy



Original Color

13.1191, 10.0605, 16.5796

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

10.9801, 10.2226, 13.1988

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1191, 10.0605, 16.5796 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, 74, 112)` looks like.

```
.text, #text, p{  
    color:rgb(120, 74, 112)  
}
```

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, 74, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 74, 112) }
```

Border

The CSS property to change the border of an element to XYZ 13.1191, 10.0605, 16.5796 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, 74, 112) }
```


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

```
.border{ border-color:rgb(120, 74, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 74, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 74, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 74, 112);  
box-shadow:4px 4px 4px 4px rgb(120, 74,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1191, 10.0605, 16.5796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 74, 112) }
```

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

```
.background{ background-color: rgb(120, 74,  
112) }
```

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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