

Converting Colors

XYZ(18.7400, 12.3091, 13.3181)

Have a look what the booklet for
XYZ(18.7400, 12.3091, 13.3181)
contains.

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Color

**XYZ(18.6976, 12.2709,
13.1874)**

Conversions

Conversions Part 1

Format	Color
Hex	A04263
RGB	160, 66, 99
RGB Percent	63%, 26%, 39%
CMY	0.3725, 0.7412, 0.6118
CMYK	0.00, 0.59, 0.38, 0.37
HSL	339°, 42%, 44%
HSV	339°, 59%, 63%
XYZ	18.6976, 12.2709, 13.1874
YIQ	97.8680, 45.4310, 30.1910

Conversions

Conversions Part 2

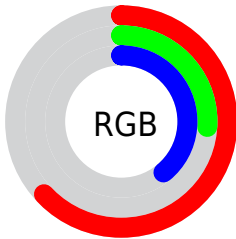
Format	Color
R_{YB}	160, 66, 99
Decimal	10502755
CIE _{Lab}	41.64, 42.33, 0.43
CIE _{LCh}	42, 42.333, 0.585
Yxy	12.2709, 0.4234, 0.2779
Android (android.graphics.Color)	4288692835 (0xFFA04263)
YUV	97.8680, 0.5581, 54.4898
Hunter-Lab	35.0298, 33.9743, 2.2005

Details

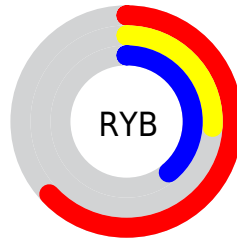
The XYZ color **18.6976, 12.2709, 13.1874** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **18.6491, 27.8326, 24.4698**, and the grayscale version is **11.5679, 12.1703, 13.2535**.

A 20% lighter version of the original color is **40.8969, 30.0643, 32.5016**, and **6.5551, 3.4340, 3.6855** is the 20% darker color. If you saturate the color by 10%, you get **17.4252, 10.4701, 10.4696**, and if you desaturate by 10%, it is **20.2960, 14.6214, 16.3291**.

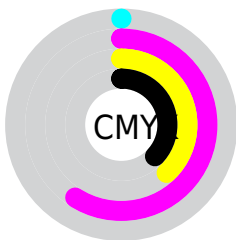
Distribution



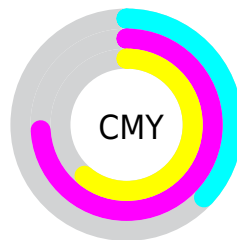
- Red (63%)
- Green (26%)
- Blue (39%)



- Red (63%)
- Yellow (26%)
- Blue (39%)



- Cyan (0%)
- Magenta (59%)
- Yellow (38%)
- Black (37%)



- Cyan (37%)
- Magenta (74%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6976, 12.2709, 13.1874 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 18.6976, 12.2709, 13.1874 by changing the saturation by 10% instead.

■ 18.6976, 12.2709,
13.1874

■ 18.6976, 12.2709,
13.1874

237.7445,
206.1906, 223.3651

■ 11.5547, 6.9285,
7.4255

■ 40.7433, 29.9875,
32.3362

■ 6.5113, 3.4174,
3.6471

■ 56.3768, 43.1305,
46.5601

■ 3.2020, 1.3533,
1.4338

■ 75.5713, 59.6425,
64.4417

■ 1.2614, 0.1819,
0.1679

■ 98.6920, 79.9078,
86.3997

■ 0.1541, 0.0000,
0.0000

■ 126.1043,
104.3109, 112.8524

■ 0.0000, 0.0000,
0.0000

158.1736,

133.2361, 144.2186

195.2652,
167.0679, 180.9166

■ 18.6976, 12.2709,
13.1874

■ 18.6976, 12.2709,
13.1874

■ 17.4252, 10.4701,
10.4696

■ 20.2960, 14.6214,
16.3291

■ 16.4530, 9.1714,
8.1547

■ 22.2415, 17.5604,
19.9126

■ 15.7525, 8.3219,
6.2209

■ 24.5546, 21.1253,
23.9557

■ 15.2692, 7.8172,
4.6362

■ 27.2538, 25.3496,
28.4747

■ 15.2151, 7.7607,
4.4586

■ 30.3563, 30.2648,
33.4851

■ 33.8782, 35.9001,
39.0017

■ 37.8350, 42.2831,
45.0388

■ 42.2409, 49.4400,
51.6098

■ 47.1099, 57.3955,
58.7278

Harmonies

Analogous

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



17.6649, 12.2709, 23.6227



18.6976, 12.2709, 13.1874



17.5848, 12.2709, 6.4205

Triad

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



18.6976, 12.2709, 13.1874



8.8852, 12.2709, 3.3938



8.9734, 12.2709, 34.4339

Complementary

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



18.6976, 12.2709, 13.1874



18.6491, 27.8326, 24.4698

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.



7.2470, 12.2709, 24.0668



18.6976, 12.2709, 13.1874



7.2027, 12.2709, 6.6075

Square

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



18.6976, 12.2709, 13.1874



11.6024, 12.2709, 2.5278



6.6599, 12.2709, 13.5360



11.7241, 12.2709, 38.7373

Rectangle

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



18.6976, 12.2709, 13.1874



15.8725, 12.2709, 4.0351



6.6599, 12.2709, 13.5360



8.2727, 12.2709, 31.3679

Sweetspot

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



18.6979, 12.2715, 13.1876



49.6957, 46.3596, 52.0478



16.8296, 10.8355, 34.4623



10.5858, 9.6746, 10.8984



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



18.6979, 12.2715, 13.1876



31.1289, 18.3125, 17.8464



18.2436, 13.3926, 6.7786



6.7244, 6.6827, 7.3999



11.8716, 6.0532, 3.5747



0.2313, 0.1159, 0.1644

Inverse Universe

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



18.6979, 12.2715, 13.1876



31.1289, 18.3125, 17.8464



19.0989, 24.7097, 37.0206



6.7244, 6.6827, 7.3999



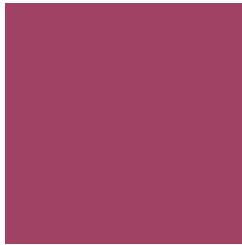
11.8716, 6.0532, 3.5747



0.2313, 0.1159, 0.1644

Previews

White Background



This preview shows how the XYZ color 18.6976, 12.2709, 13.1874 looks on a white background.

Color Contrast Check

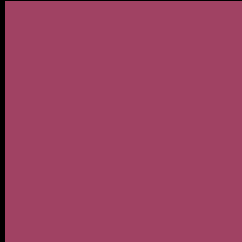
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.6976, 12.2709, 13.1874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

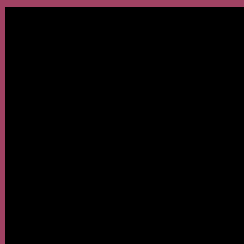
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.6976, 12.2709, 13.1874

Background



This preview shows how black text looks on a background with the XYZ color 18.6976, 12.2709, 13.1874.



This preview shows how white text looks on a background with the XYZ color 18.6976, 12.2709,

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

18.6976, 12.2709, 13.1874

Protanopia

12.4168, 12.5002, 19.2111

Deuteranopia

12.6337, 12.4889, 12.3344



Tritanopia

17.6583, 12.2974, 8.2804

Trichromacy



Original Color

18.6976, 12.2709, 13.1874

Protanomaly

13.8602, 11.7474, 16.8662

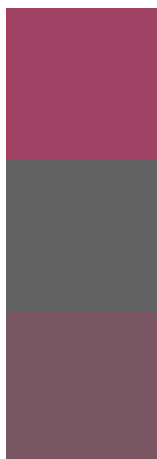
Deuteranomaly

14.2619, 11.9307, 12.6175

Tritanomaly

18.0264, 12.2673, 9.8052

Monochromacy



Original Color

18.6976, 12.2709, 13.1874

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

13.4176, 11.6024, 13.0876

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6976, 12.2709, 13.1874 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(160, 66, 99)` looks like.

```
.text, #text, p{  
    color:rgb(160, 66, 99)  
}
```

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(160, 66, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 66, 99) }
```

Border

The CSS property to change the border of an element to XYZ 18.6976, 12.2709, 13.1874 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(160, 66, 99) }
```


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

```
.border{ border-color:rgb(160, 66, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 66, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 66, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 66, 99);  
box-shadow:4px 4px 4px 4px rgb(160, 66,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6976, 12.2709, 13.1874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 66, 99) }
```

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

```
.background{ background-color: rgb(160, 66,  
99) }
```

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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