

Converting Colors

XYZ(12.7198, 14.0738, 16.7541)

Have a look what the booklet for
XYZ(12.7198, 14.0738, 16.7541)
contains.

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Color

**XYZ(12.6883, 14.0209,
16.7894)**

Conversions

Conversions Part 1

Format	Color
Hex	5E6B6E
RGB	94, 107, 110
RGB Percent	37%, 42%, 43%
CMY	0.6314, 0.5804, 0.5686
CMYK	0.15, 0.03, 0.00, 0.57
HSL	191°, 8%, 40%
HSV	191°, 15%, 43%
XYZ	12.6883, 14.0209, 16.7894
YIQ	103.4550, -8.7110, -1.8230

Conversions

Conversions Part 2

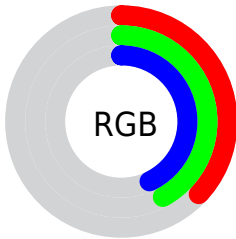
Format	Color
R_{YB}	94, 101, 110
Decimal	6187886
CIE _{Lab}	44.26, -4.21, -3.35
CIE _{LCh}	44, 5.381, 218.451
Yxy	14.0209, 0.2917, 0.3223
Android (android.graphics.Color)	4284377966 (0xFF5E6B6E)
YUV	103.4550, 3.2267, -8.2920
Hunter-Lab	37.4445, -5.0420, -0.3734

Details

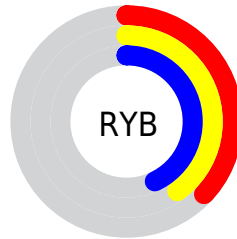
The XYZ color **12.6883, 14.0209, 16.7894** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.7256, 12.6725, 12.3653**, and the grayscale version is **13.0065, 13.6838, 14.9017**.

A 20% lighter version of the original color is **30.4255, 33.0821, 38.9643**, and **3.7320, 4.2190, 5.3203** is the 20% darker color. If you saturate the color by 10%, you get **11.4275, 13.0560, 16.6698**, and if you desaturate by 10%, it is **14.1158, 15.0801, 16.9188**.

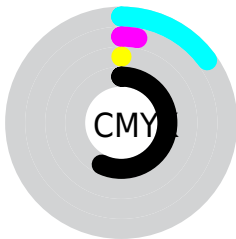
Distribution



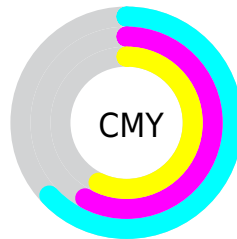
- Red (37%)
- Green (42%)
- Blue (43%)



- Red (37%)
- Yellow (40%)
- Blue (43%)



- Cyan (15%)
- Magenta (3%)
- Yellow (0%)
- Black (57%)



- Cyan (63%)
- Magenta (58%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6883, 14.0209, 16.7894 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 12.6883, 14.0209, 16.7894 by changing the saturation by 10% instead.

■ 12.6883, 14.0209,
16.7894

■ 12.6883, 14.0209,
16.7894

202.5885,
217.3608, 245.9585

■ 7.2898, 8.1352,
9.9241

■ 30.3488, 33.1261,
38.7490

■ 3.6919, 4.1816,
5.2437

■ 43.3414, 47.1144,
54.6804

■ 1.5294, 1.7756,
2.3297

■ 59.5961, 64.5724,
74.4708

■ 0.3457, 0.4719,
0.7478

■ 79.4783, 85.8844,
98.5389

■ 0.0000, 0.0000,
0.0000

103.3533,
111.4348, 127.3032

131.5864,

141.6081, 161.1822

164.5430,
176.7886, 200.5945

■ 12.6883, 14.0209,
16.7894

■ 12.6883, 14.0209,
16.7894

■ 11.4275, 13.0560,
16.6698

■ 14.1158, 15.0801,
16.9188

■ 10.3254, 12.1802,
16.5589

■ 15.7153, 16.2351,
17.0575

■ 9.3751, 11.3901,
16.4564

■ 17.4931, 17.4899,
17.2060

■ 8.5688, 10.6817,
16.3622

■ 19.4551, 18.8473,
17.3646

■ 7.8979, 10.0504,
16.2757

■ 21.6066, 20.3103,
17.5336

7.3528, 9.4914,
16.1966

23.9531, 21.8816,
17.7132

6.9227, 8.9989,
16.1242

26.4995, 23.5639,
17.9037

6.5891, 8.5635,
16.0577

29.2507, 25.3598,
18.1053

6.4192, 8.3352,
16.0226

32.2114, 27.2716,
18.3183

Harmonies

Analogous

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



12.5239, 14.0209, 15.6176



12.6883, 14.0209, 16.7894



13.0246, 14.0209, 17.5805

Triad

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



12.6883, 14.0209, 16.7894



14.1117, 14.0209, 16.1543



13.2051, 14.0209, 13.0383

Complementary

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



12.6883, 14.0209, 16.7894



12.7256, 12.6725, 12.3653

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.



13.6330, 14.0209, 13.1648



12.6883, 14.0209, 16.7894



14.1626, 14.0209, 14.9204

Square

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



12.6883, 14.0209, 16.7894



13.8481, 14.0209, 17.2003



13.9856, 14.0209, 13.8384



12.8180, 14.0209, 13.4831

Rectangle

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



12.6883, 14.0209, 16.7894



13.3041, 14.0209, 17.7624



13.9856, 14.0209, 13.8384



13.3488, 14.0209, 13.0159

Sweetspot

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



12.6887, 14.0215, 16.7897



24.9066, 26.5686, 29.7228



12.3469, 14.3936, 13.4208



5.7584, 6.1553, 6.9133



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



12.6887, 14.0215, 16.7897



21.6099, 24.1145, 29.4228



11.8990, 12.4421, 16.5265



3.4244, 3.7141, 4.2906



7.6920, 9.9742, 19.2414



37.7288, 48.5094, 95.6539

Inverse Universe

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



13.0873, 12.3823, 15.6109



22.4390, 20.7447, 26.9615



13.4958, 14.2130, 12.6221



3.4889, 3.4433, 4.1013



9.9009, 4.8527, 11.8199



49.0237, 24.0548, 57.3163

Previews

White Background



This preview shows how the XYZ color 12.6883, 14.0209, 16.7894 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 12.6883, 14.0209, 16.7894 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

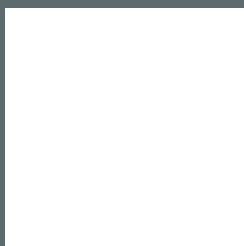
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.6883, 14.0209, 16.7894

Background



This preview shows how black text looks on a background with the XYZ color 12.6883, 14.0209, 16.7894.



This preview shows how white text looks on a background with the XYZ color 12.6883, 14.0209,

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

12.6883, 14.0209, 16.7894

Protanopia

13.4828, 13.9866, 16.1764

Deuteranopia

14.2050, 13.8998, 16.9732



Tritanopia

12.9679, 13.9788, 18.2343

Trichromacy



Original Color

12.6883, 14.0209, 16.7894

Protanomaly

13.1787, 13.9740, 16.4707

Deuteranomaly

13.5452, 13.8515, 16.9986

Tritanomaly

12.8540, 13.9332, 17.6347

Monochromacy



Original Color

12.6883, 14.0209, 16.7894

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.8074, 13.6506, 15.5955

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6883, 14.0209, 16.7894 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(94, 107, 110) looks like.

```
.text, #text, p{  
    color:rgb(94, 107, 110)  
}
```

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(94, 107, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 107, 110) }
```

Border

The CSS property to change the border of an element to XYZ 12.6883, 14.0209, 16.7894 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(94, 107, 110) }
```


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

```
.border{ border-color:rgb(94, 107, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 107, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 107, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 107, 110);  
box-shadow:4px 4px 4px 4px rgb(94, 107,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6883, 14.0209, 16.7894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 107, 110) }
```

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

```
.background{ background-color: rgb(94, 107,  
110) }
```

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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