

Converting Colors

XYZ(13.6888, 16.9852, 19.6172)

Have a look what the booklet for
XYZ(13.6888, 16.9852, 19.6172)
contains.

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Color

**XYZ(13.7092, 17.0209,
19.7024)**

Conversions

Conversions Part 1

Format	Color
Hex	527A76
RGB	82, 122, 118
RGB Percent	32%, 48%, 46%
CMY	0.6784, 0.5216, 0.5373
CMYK	0.33, 0.00, 0.03, 0.52
HSL	174°, 20%, 40%
HSV	174°, 33%, 48%
XYZ	13.7092, 17.0209, 19.7024
YIQ	109.5840, -22.5560, -9.7240

Conversions

Conversions Part 2

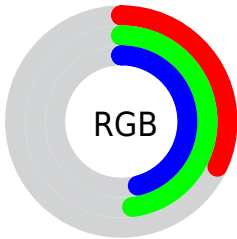
Format	Color
R_{YB}	82, 103, 122
Decimal	5405302
CIE _{Lab}	48.29, -14.88, -2.28
CIE _{LCh}	48, 15.053, 188.727
Yxy	17.0209, 0.2718, 0.3375
Android (android.graphics.Color)	4283595382 (0xFF527A76)
YUV	109.5840, 4.1491, -24.1912
Hunter-Lab	41.2564, -12.8844, 0.5649

Details

The XYZ color **13.7092, 17.0209, 19.7024** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.7236, 10.8445, 10.2272**, and the grayscale version is **14.6955, 15.4608, 16.8368**.

A 20% lighter version of the original color is **32.2585, 38.5488, 43.7707**, and **4.1477, 5.5474, 6.6465** is the 20% darker color. If you saturate the color by 10%, you get **12.6693, 16.4936, 19.2779**, and if you desaturate by 10%, it is **14.9397, 17.6472, 20.1414**.

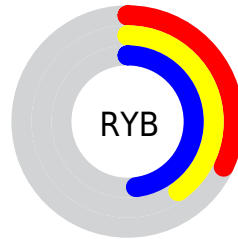
Distribution



Red (32%)

Green (48%)

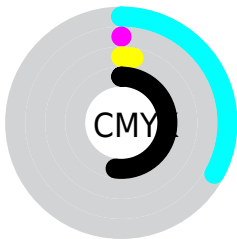
Blue (46%)



Red (32%)

Yellow (40%)

Blue (48%)

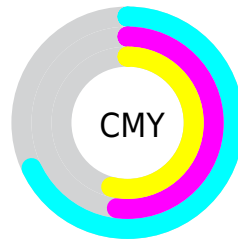


Cyan (33%)

Magenta (0%)

Yellow (3%)

Black (52%)



Cyan (68%)

Magenta (52%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7092, 17.0209, 19.7024 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 13.7092, 17.0209, 19.7024 by changing the saturation by 10% instead.

■ 13.7092, 17.0209,
19.7024

■ 13.7092, 17.0209,
19.7024

208.9612,
235.2928, 262.8502

■ 7.9990, 10.2494,
11.9970

■ 32.1627, 38.3617,
43.7701

■ 4.1461, 5.5646,
6.6191

■ 45.6368, 53.6998,
60.9694

■ 1.7851, 2.5822,
3.1502

■ 62.4296, 72.6622,
82.1704

■ 0.5087, 0.9177,
1.1719

■ 82.9064, 95.6333,
107.7917

■ 0.0000, 0.0000,
0.0000

■ 107.4326,
122.9975, 138.2518

136.3736,

155.1393, 173.9692

170.0947,
192.4429, 215.3625

■ 13.7092, 17.0209,
19.7024

■ 13.7092, 17.0209,
19.7024

■ 12.6693, 16.4936,
19.2779

■ 14.9397, 17.6472,
20.1414

■ 11.8085, 16.0580,
18.8663

■ 16.3686, 18.3753,
20.5943

■ 11.1164, 15.7093,
18.4675

■ 18.0050, 19.2103,
21.0618

■ 10.5808, 15.4413,
18.0809

■ 19.8571, 20.1563,
21.5444

■ 10.1881, 15.2467,
17.7057

■ 21.9326, 21.2174,
22.0424

■ 9.9216, 15.1171,
17.3413

■ 24.2387, 22.3972,
22.5561

■ 9.7633, 15.0411,
17.0830

■ 26.7825, 23.6995,
23.0860

■ 29.5707, 25.1277,
23.6324

■ 32.6097, 26.6851,
24.1955

Harmonies

Analogous

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



13.8432, 17.0209, 15.9261



13.7092, 17.0209, 19.7024



14.2069, 17.0209, 23.6697

Triad

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



13.7092, 17.0209, 19.7024



17.8841, 17.0209, 25.0699



17.1534, 17.0209, 12.3493

Complementary

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



13.7092, 17.0209, 19.7024



12.7236, 10.8445, 10.2272

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.



18.3232, 17.0209, 14.1988



13.7092, 17.0209, 19.7024



18.7613, 17.0209, 21.4096

Square

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



13.7092, 17.0209, 19.7024



16.5812, 17.0209, 27.0433



18.9264, 17.0209, 17.4106



15.7811, 17.0209, 12.0263

Rectangle

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



13.7092, 17.0209, 19.7024



14.8474, 17.0209, 25.7650



18.9264, 17.0209, 17.4106



17.5855, 17.0209, 12.7991

Sweetspot

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



13.7097, 17.0216, 19.7028



29.4938, 32.6822, 36.4370



12.3824, 16.5392, 10.5227



6.6728, 7.4366, 8.3105



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.



13.7097, 17.0216, 19.7028



22.7763, 29.2634, 34.1246



12.2160, 13.6455, 20.4031



4.0906, 4.5059, 5.0110



10.2771, 15.8345, 17.9760



48.8443, 75.4607, 84.8069

Inverse Universe

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



12.7236, 10.8445, 10.2272



20.7720, 16.6971, 14.8573



13.8551, 13.3584, 9.8311



4.0131, 4.0210, 4.2666



8.5196, 4.3840, 0.7612



40.4863, 20.8508, 2.8248

Previews

White Background



This preview shows how the XYZ color 13.7092, 17.0209, 19.7024 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 13.7092, 17.0209, 19.7024 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 13.7092, 17.0209, 19.7024

Background



This preview shows how black text looks on a background with the XYZ color 13.7092, 17.0209, 19.7024.



This preview shows how white text looks on a background with the XYZ color 13.7092, 17.0209,

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

13.7092, 17.0209, 19.7024

Protanopia

16.2004, 16.9399, 18.0387

Deuteranopia

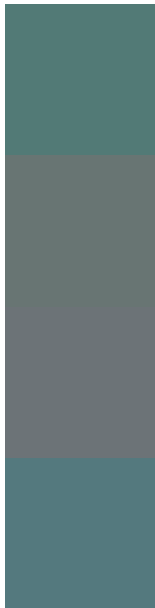
17.2430, 16.9359, 20.1295



Tritanopia

14.4920, 16.9759, 23.6320

Trichromacy



Original Color

13.7092, 17.0209, 19.7024

Protanomaly

15.1647, 16.9034, 18.6831

Deuteranomaly

15.6448, 16.7815, 19.8673

Tritanomaly

14.2594, 17.0659, 22.2812

Monochromacy



Original Color

13.7092, 17.0209, 19.7024

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.2535, 15.9362, 17.9475

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7092, 17.0209, 19.7024 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(82, 122, 118)` looks like.

```
.text, #text, p{  
    color:rgb(82, 122, 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(82, 122, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 122, 118) }
```

Border

The CSS property to change the border of an element to XYZ 13.7092, 17.0209, 19.7024 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(82, 122, 118) }
```


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

```
.border{ border-color:rgb(82, 122, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 122, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 122, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 122, 118);  
box-shadow:4px 4px 4px 4px rgb(82, 122,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7092, 17.0209, 19.7024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 122, 118) }
```

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

```
.background{ background-color: rgb(82, 122,  
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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