

Converting Colors

XYZ(13.6299, 18.2139, 18.9714)

Have a look what the booklet for
XYZ(13.6299, 18.2139, 18.9714)
contains.

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Color

**XYZ(13.5613, 18.0926,
18.9971)**

Conversions

Conversions Part 1

Format	Color
Hex	498073
RGB	73, 128, 115
RGB Percent	29%, 50%, 45%
CMY	0.7137, 0.4980, 0.5490
CMYK	0.43, 0.00, 0.10, 0.50
HSL	166°, 27%, 39%
HSV	166°, 43%, 50%
XYZ	13.5613, 18.0926, 18.9971
YIQ	110.0730, -28.6070, -15.7030

Conversions

Conversions Part 2

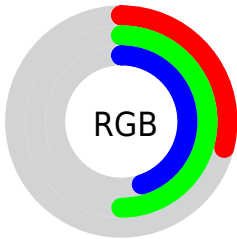
Format	Color
R_{YB}	73, 104, 128
Decimal	4817011
CIE _{Lab}	49.61, -21.52, 1.36
CIE _{LCh}	50, 21.566, 176.381
Yxy	18.0926, 0.2677, 0.3572
Android (android.graphics.Color)	4283007091 (0xFF498073)
YUV	110.0730, 2.4290, -32.5130
Hunter-Lab	42.5354, -17.5269, 3.2948

Details

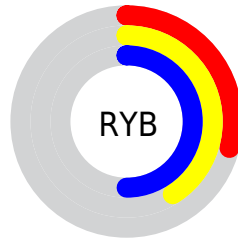
The XYZ color **13.5613, 18.0926, 18.9971** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.9649, 10.0266, 10.0567**, and the grayscale version is **14.8415, 15.6144, 17.0040**.

A 20% lighter version of the original color is **31.9564, 40.1977, 42.6339**, and **4.0468, 6.0135, 6.2576** is the 20% darker color. If you saturate the color by 10%, you get **12.5184, 17.5752, 18.0545**, and if you desaturate by 10%, it is **14.8106, 18.7166, 19.9799**.

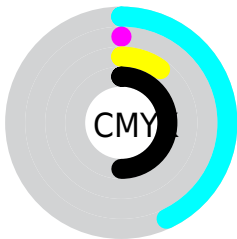
Distribution



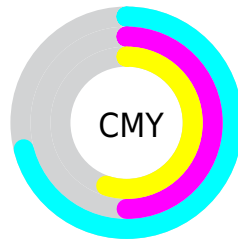
- Red (29%)
- Green (50%)
- Blue (45%)



- Red (29%)
- Yellow (41%)
- Blue (50%)



- Cyan (43%)
- Magenta (0%)
- Yellow (10%)
- Black (50%)



- Cyan (71%)
- Magenta (50%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5613, 18.0926, 18.9971 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 13.5613, 18.0926, 18.9971 by changing the saturation by 10% instead.

■ 13.5613, 18.0926,
18.9971

■ 13.5613, 18.0926,
18.9971

208.0500,
241.3925, 258.8549

■ 7.8958, 11.0165,
11.4914

■ 31.9014, 40.1951,
42.5658

■ 4.0796, 6.0779,
6.2801

■ 45.3067, 55.9902,
59.4659

■ 1.7473, 2.8925,
2.9446

■ 62.0227, 75.4604,
80.3346

■ 0.4856, 1.0759,
1.0664

■ 82.4147, 98.9902,
105.5903

■ 0.0000, 0.0000,
0.0000

■ 106.8481,
126.9639, 135.6517

135.6882,

159.7659, 170.9372

169.3004,
197.7806, 211.8655

■ 13.5613, 18.0926,
18.9971

■ 13.5613, 18.0926,
18.9971

■ 12.5184, 17.5752,
18.0545

■ 14.8106, 18.7166,
19.9799

■ 11.6679, 17.1559,
17.1502

■ 16.2761, 19.4510,
21.0026

■ 10.9967, 16.8284,
16.2834

■ 17.9688, 20.3018,
22.0664

■ 10.4890, 16.5845,
15.4534

■ 19.8985, 21.2742,
23.1718

■ 10.1262, 16.4147,
14.6588

■ 22.0744, 22.3728,
24.3198

■ 9.9120, 16.3160,
14.1190

■ 24.5053, 23.6021,
25.5108

■ 27.1994, 24.9664,
26.7457

■ 30.1647, 26.4698,
28.0249

■ 33.4087, 28.1162,
29.3492

Harmonies

Analogous

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



14.1239, 18.0926, 14.0967



13.5613, 18.0926, 18.9971



13.9072, 18.0926, 25.1425

Triad

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



13.5613, 18.0926, 18.9971



19.0045, 18.0926, 31.6160



19.4680, 18.0926, 11.7277

Complementary

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



13.5613, 18.0926, 18.9971



12.9649, 10.0266, 10.0567

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.



20.9673, 18.0926, 15.1053



13.5613, 18.0926, 18.9971



20.6852, 18.0926, 26.6199

Square

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



13.5613, 18.0926, 18.9971



16.9493, 18.0926, 33.2201



21.4293, 18.0926, 20.4195



17.4460, 18.0926, 10.4587

Rectangle

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



13.5613, 18.0926, 18.9971



14.6227, 18.0926, 29.0344



21.4293, 18.0926, 20.4195



20.0559, 18.0926, 12.6168

Sweetspot

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



13.5618, 18.0933, 18.9975



31.5306, 35.6903, 38.7867



12.8295, 17.9343, 9.0891



7.2415, 8.2853, 8.9957



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



13.5618, 18.0933, 18.9975



22.0019, 30.9240, 31.7496



12.6900, 15.0667, 22.6622



4.4043, 4.8701, 5.3004



9.8286, 16.1780, 14.0023



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.9649, 10.0266, 10.0567



20.8071, 14.6719, 13.7752



13.4932, 11.8467, 7.8790



4.3662, 4.3596, 4.7330



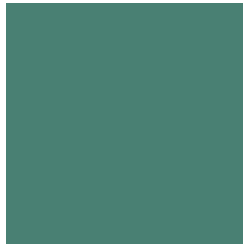
9.0632, 4.6450, 1.6565



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.5613, 18.0926, 18.9971 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 13.5613, 18.0926, 18.9971 looks on a black 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

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

XYZ 13.5613, 18.0926, 18.9971

Background



This preview shows how black text looks on a background with the XYZ color 13.5613, 18.0926, 18.9971.

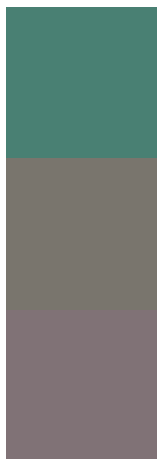


This preview shows how white text looks on a background with the XYZ color 13.5613, 18.0926,

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

13.5613, 18.0926, 18.9971

Protanopia

17.0068, 17.8917, 17.0251

Deuteranopia

18.1894, 17.9318, 19.6420



Tritanopia

14.8487, 18.0362, 25.6204

Trichromacy



Original Color

13.5613, 18.0926, 18.9971

Protanomaly

15.4155, 17.7655, 17.6555

Deuteranomaly

15.9921, 17.6662, 19.3967

Tritanomaly

14.3376, 18.0167, 23.1440

Monochromacy



Original Color

13.5613, 18.0926, 18.9971

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.2157, 16.4338, 17.7520

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5613, 18.0926, 18.9971 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(73, 128, 115)` looks like.

```
.text, #text, p{  
    color:rgb(73, 128, 115)  
}
```

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(73, 128, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 128, 115) }
```

Border

The CSS property to change the border of an element to XYZ 13.5613, 18.0926, 18.9971 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(73, 128, 115) }
```


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

```
.border{ border-color:rgb(73, 128, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 128, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 128, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 128, 115);  
box-shadow:4px 4px 4px 4px rgb(73, 128,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5613, 18.0926, 18.9971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 128, 115) }
```

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

```
.background{ background-color: rgb(73, 128,  
115) }
```

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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