

Converting Colors

XYZ(13.6860, 18.2379, 19.9420)

Have a look what the booklet for
XYZ(13.6860, 18.2379, 19.9420)
contains.

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Color

**XYZ(13.7188, 18.3481,
19.9580)**

Conversions

Conversions Part 1

Format	Color
Hex	478176
RGB	71, 129, 118
RGB Percent	28%, 51%, 46%
CMY	0.7216, 0.4941, 0.5373
CMYK	0.45, 0.00, 0.09, 0.49
HSL	169°, 29%, 39%
HSV	169°, 45%, 51%
XYZ	13.7188, 18.3481, 19.9580
YIQ	110.4040, -31.0370, -15.7170

Conversions

Conversions Part 2

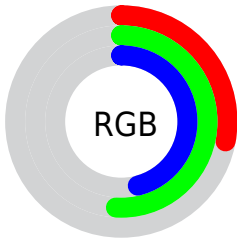
Format	Color
RYB	71, 103, 129
Decimal	4686198
CIELab	49.92, -21.84, 0.04
CIElCh	50, 21.841, 179.901
Yxy	18.3481, 0.2637, 0.3527
Android (android.graphics.Color)	4282876278 (0xFF478176)
YUV	110.4040, 3.7448, -34.5573
Hunter-Lab	42.8347, -17.7919, 2.3592

Details

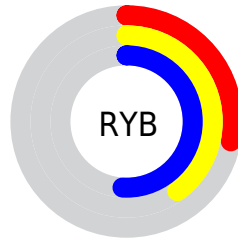
The XYZ color **13.7188, 18.3481, 19.9580** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **12.8301, 9.7833, 9.1955**, and the grayscale version is **14.9335, 15.7112, 17.1095**.

A 20% lighter version of the original color is **32.1520, 40.5691, 44.1662**, and **4.1326, 6.1533, 6.7642** is the 20% darker color. If you saturate the color by 10%, you get **12.7279, 17.8543, 19.1627**, and if you desaturate by 10%, it is **14.9154, 18.9484, 20.7834**.

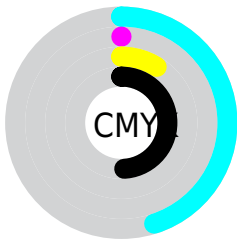
Distribution



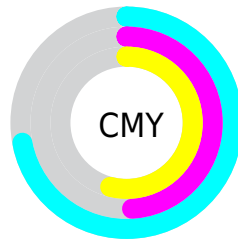
- Red (28%)
- Green (51%)
- Blue (46%)



- Red (28%)
- Yellow (40%)
- Blue (51%)



- Cyan (45%)
- Magenta (0%)
- Yellow (9%)
- Black (49%)



- Cyan (72%)
- Magenta (49%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7188, 18.3481, 19.9580 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 13.7188, 18.3481, 19.9580 by changing the saturation by 10% instead.

■ 13.7188, 18.3481,
19.9580

■ 13.7188, 18.3481,
19.9580

209.0202,
242.8259, 264.2844

■ 8.0057, 11.2002,
12.1807

■ 32.1797, 40.6296,
44.2048

■ 4.1505, 6.2017,
6.7429

■ 45.6582, 56.5320,
61.5114

■ 1.7876, 2.9681,
3.2258

■ 62.4560, 76.1213,
82.8316

■ 0.5102, 1.1151,
1.2111

■ 82.9383, 99.7819,
108.5838

■ 0.0000, 0.0000,
0.0000

■ 107.4705,
127.8983, 139.1867

136.4180,

160.8549, 175.0587

170.1461,
199.0359, 216.6184

■ 13.7188, 18.3481,
19.9580

■ 13.7188, 18.3481,
19.9580

■ 12.7279, 17.8543,
19.1627

■ 14.9154, 18.9484,
20.7834

■ 11.9283, 17.4583,
18.3955

■ 16.3279, 19.6591,
21.6384

■ 11.3062, 17.1533,
17.6560

■ 17.9676, 20.4865,
22.5240

■ 10.8452, 16.9309,
16.9433

■ 19.8446, 21.4358,
23.4408

■ 10.5213, 16.7788,
16.2562

■ 21.9685, 22.5119,
24.3894

■ 10.3764, 16.7115,
15.9179

■ 24.3482, 23.7194,
25.3704

■ 26.9921, 25.0627,
26.3844

■ 29.9084, 26.5460,
27.4317

■ 33.1049, 28.1732,
28.5130

Harmonies

Analogous

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



14.1861, 18.3481, 14.7405



13.7188, 18.3481, 19.9580



14.1801, 18.3481, 26.2873

Triad

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



13.7188, 18.3481, 19.9580



19.5220, 18.3481, 31.7187



19.5350, 18.3481, 11.5781

Complementary

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



13.7188, 18.3481, 19.9580



12.8301, 9.7833, 9.1955

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.



21.1632, 18.3481, 14.7687



13.7188, 18.3481, 19.9580



21.1553, 18.3481, 26.3288

Square

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



13.7188, 18.3481, 19.9580



17.4323, 18.3481, 33.8513



21.7782, 18.3481, 19.9979



17.4463, 18.3481, 10.5317

Rectangle

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



13.7188, 18.3481, 19.9580



14.9750, 18.3481, 30.1471



21.7782, 18.3481, 19.9979



20.1602, 18.3481, 12.3992

Sweetspot

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



13.7193, 18.3488, 19.9584



32.7015, 36.9516, 40.6018



12.5202, 17.9770, 8.7716



7.2652, 8.2948, 9.1204



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.



13.7193, 18.3488, 19.9584



22.7434, 31.9478, 34.2722



12.3117, 14.4255, 22.9052



4.4126, 4.8733, 5.3437



10.1182, 16.2939, 15.5270



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.8301, 9.7833, 9.1955



20.9456, 14.5442, 12.4481



13.7138, 12.1679, 7.5874



4.3585, 4.3566, 4.6925



8.9938, 4.6172, 1.2914



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.7188, 18.3481, 19.9580 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 13.7188, 18.3481, 19.9580 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 13.7188, 18.3481, 19.9580

Background



This preview shows how black text looks on a background with the XYZ color 13.7188, 18.3481, 19.9580.



This preview shows how white text looks on a background with the XYZ color 13.7188, 18.3481,

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

13.7188, 18.3481, 19.9580

Protanopia

17.4291, 18.2643, 17.9360

Deuteranopia

18.4840, 18.2311, 20.6339



Tritanopia

14.8853, 18.2358, 26.0279

Trichromacy



Original Color

13.7188, 18.3481, 19.9580

Protanomaly

15.5903, 18.0175, 18.5756

Deuteranomaly

16.1700, 17.9148, 20.3750

Tritanomaly

14.3759, 18.2196, 23.5279

Monochromacy



Original Color

13.7188, 18.3481, 19.9580

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.1658, 16.4016, 18.0420

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7188, 18.3481, 19.9580 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(71, 129, 118)` looks like.

```
.text, #text, p{  
    color:rgb(71, 129, 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(71, 129, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 129, 118) }
```

Border

The CSS property to change the border of an element to XYZ 13.7188, 18.3481, 19.9580 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(71, 129, 118) }
```


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

```
.border{ border-color:rgb(71, 129, 118) }
```

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

Here you see how a box with a 4 pixel rgb(71, 129, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 129, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 129, 118);  
box-shadow:4px 4px 4px 4px rgb(71, 129,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7188, 18.3481, 19.9580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 129, 118) }
```

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

```
.background{ background-color: rgb(71, 129,  
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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