

Converting Colors

XYZ(13.4865, 17.5180, 19.4318)

Have a look what the booklet for
XYZ(13.4865, 17.5180, 19.4318)
contains.

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Color

**XYZ(13.4462, 17.4474,
19.4886)**

Conversions

Conversions Part 1

Format	Color
Hex	4B7D75
RGB	75, 125, 117
RGB Percent	29%, 49%, 46%
CMY	0.7059, 0.5098, 0.5412
CMYK	0.40, 0.00, 0.06, 0.51
HSL	170°, 25%, 39%
HSV	170°, 40%, 49%
XYZ	13.4462, 17.4474, 19.4886
YIQ	109.1380, -27.2320, -13.0880

Conversions

Conversions Part 2

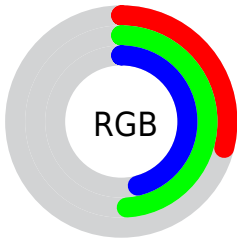
Format	Color
RYB	75, 102, 125
Decimal	4947317
CIELab	48.82, -18.86, -0.96
CIELCh	49, 18.886, 182.899
Yxy	17.4474, 0.2669, 0.3463
Android (android.graphics.Color)	4283137397 (0xFF4B7D75)
YUV	109.1380, 3.8760, -29.9390
Hunter-Lab	41.7701, -15.6367, 1.5762

Details

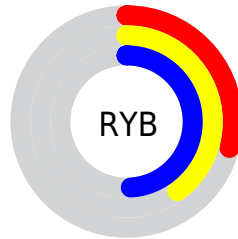
The XYZ color **13.4462, 17.4474, 19.4886** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.5355, 10.0173, 9.4573**, and the grayscale version is **14.5703, 15.3291, 16.6934**.

A 20% lighter version of the original color is **31.6860, 39.1410, 43.4211**, and **4.0353, 5.7927, 6.5357** is the 20% darker color. If you saturate the color by 10%, you get **12.4467, 16.9460, 18.8347**, and if you desaturate by 10%, it is **14.6414, 18.0502, 20.1655**.

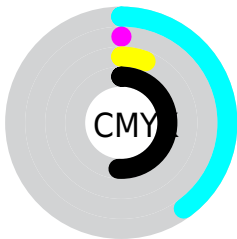
Distribution



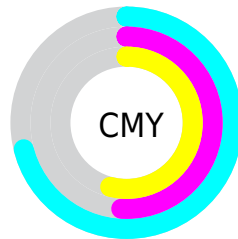
- Red (29%)
- Green (49%)
- Blue (46%)



- Red (29%)
- Yellow (40%)
- Blue (49%)



- Cyan (40%)
- Magenta (0%)
- Yellow (6%)
- Black (51%)





- Cyan (71%)
- Magenta (51%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.4462, 17.4474, 19.4886 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 13.4462, 17.4474, 19.4886 by changing the saturation by 10% instead.


 13.4462, 17.4474,
19.4886


 13.4462, 17.4474,
19.4886


207.3382,
237.7376, 261.6450


 7.8156, 10.5540,
11.8435


 31.6976, 39.0934,
43.4057


 4.0280, 5.7678,
6.5159

 45.0492, 54.6148,
60.5148


 1.7180, 2.7044,
3.0875

 61.7052, 73.7810,
81.6157

 0.4675, 0.9794,
1.1395

 82.0309, 96.9764,
107.1268

 0.0000, 0.0000,
0.0000

 106.3917,
124.5853, 137.4668

135.1529,

156.9923, 173.0541

168.6800,
194.5815, 214.3073

■ 13.4462, 17.4474,
19.4886

■ 13.4462, 17.4474,
19.4886

■ 12.4467, 16.9460,
18.8347

■ 14.6414, 18.0502,
20.1655

■ 11.6300, 16.5382,
18.2021

■ 16.0411, 18.7578,
20.8648

■ 10.9842, 16.2181,
17.5904

■ 17.6555, 19.5757,
21.5875

■ 10.4951, 15.9786,
16.9989

■ 19.4937, 20.5087,
22.3340

■ 10.1464, 15.8111,
16.4268

■ 21.5642, 21.5612,
23.1048

■ 9.8836, 15.6876,
15.8714

■ 23.8750, 22.7372,
23.9003

■ 9.8836, 15.6876,
15.8713

■ 26.4338, 24.0409,
24.7211

■ 29.2480, 25.4758,
25.5674

■ 32.3246, 27.0457,
26.4398

Harmonies

Analogous

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



13.7660, 17.4474, 14.9388



13.4462, 17.4474, 19.4886



13.9168, 17.4474, 24.7236

Triad

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



13.4462, 17.4474, 19.4886



18.4778, 17.4474, 28.2857



18.1629, 17.4474, 11.6485

Complementary

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



13.4462, 17.4474, 19.4886



12.5355, 10.0173, 9.4573

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.



19.5702, 17.4474, 14.2314



13.4462, 17.4474, 19.4886



19.7607, 17.4474, 23.7313

Square

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



13.4462, 17.4474, 19.4886



16.7539, 17.4474, 30.3311



20.1738, 17.4474, 18.5142



16.4137, 17.4474, 10.9104

Rectangle

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



13.4462, 17.4474, 19.4886



14.6362, 17.4474, 27.7609



20.1738, 17.4474, 18.5142



18.6957, 17.4474, 12.3044

Sweetspot

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



13.4467, 17.4481, 19.4890



30.9183, 34.7006, 38.3563



12.2010, 17.0301, 9.3012



6.9653, 7.8589, 8.6951



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



13.4467, 17.4481, 19.4890



22.4254, 30.4139, 33.8239



12.0017, 13.7728, 21.4286



4.4178, 4.8754, 5.3713



10.3130, 16.3718, 16.5531



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.5355, 10.0173, 9.4573



20.5594, 15.1538, 13.2486



13.5264, 12.4653, 8.3503



4.3537, 4.3546, 4.6670



8.9569, 4.6025, 1.0971



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.4462, 17.4474, 19.4886 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 13.4462, 17.4474, 19.4886 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

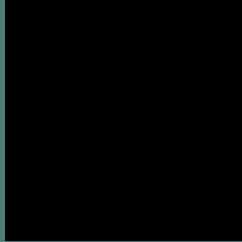
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.4462, 17.4474, 19.4886

Background



This preview shows how black text looks on a background with the XYZ color 13.4462, 17.4474, 19.4886.



This preview shows how white text looks on a background with the XYZ color 13.4462, 17.4474,

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

13.4462, 17.4474, 19.4886

Protanopia

16.4712, 17.2607, 17.5025

Deuteranopia

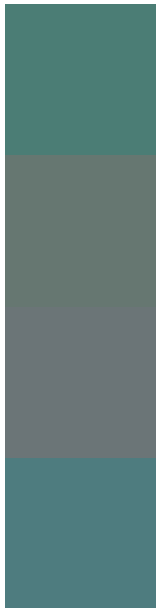
17.6418, 17.3044, 20.1796



Tritanopia

14.5410, 17.5216, 24.8059

Trichromacy



Original Color

13.4462, 17.4474, 19.4886

Protanomaly

15.0570, 17.2107, 18.1512

Deuteranomaly

15.7545, 17.1803, 19.9385

Tritanomaly

14.1803, 17.5673, 22.7221

Monochromacy



Original Color

13.4462, 17.4474, 19.4886

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.9851, 15.9727, 17.6752

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4462, 17.4474, 19.4886 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(75, 125, 117)` looks like.

```
.text, #text, p{  
    color:rgb(75, 125, 117)  
}
```

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(75, 125, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 125, 117) }
```

Border

The CSS property to change the border of an element to XYZ 13.4462, 17.4474, 19.4886 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(75, 125, 117) }
```


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

```
.border{ border-color:rgb(75, 125, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 125, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 125, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 125, 117);  
box-shadow:4px 4px 4px 4px rgb(75, 125,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4462, 17.4474, 19.4886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 125, 117) }
```

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

```
.background{ background-color: rgb(75, 125,  
117) }
```

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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