

Converting Colors

XYZ(12.5401, 14.8849, 17.8321)

Have a look what the booklet for
XYZ(12.5401, 14.8849, 17.8321)
contains.

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Color

**XYZ(12.5419, 14.8873,
17.8353)**

Conversions

Conversions Part 1

Format	Color
Hex	547171
RGB	84, 113, 113
RGB Percent	33%, 44%, 44%
CMY	0.6706, 0.5569, 0.5569
CMYK	0.26, 0.00, 0.00, 0.56
HSL	180°, 15%, 39%
HSV	180°, 26%, 44%
XYZ	12.5419, 14.8873, 17.8353
YIQ	104.3290, -17.2840, -6.1480

Conversions

Conversions Part 2

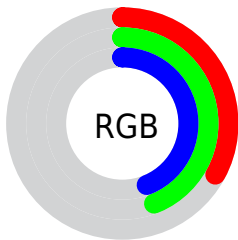
Format	Color
R_{YB}	84, 99, 113
Decimal	5534065
CIE _{Lab}	45.48, -10.44, -3.43
CIE _{LCh}	45, 10.994, 198.185
Yxy	14.8873, 0.2771, 0.3289
Android (android.graphics.Color)	4283724145 (0xFF547171)
YUV	104.3290, 4.2748, -17.8285
Hunter-Lab	38.5841, -9.5000, -0.3977

Details

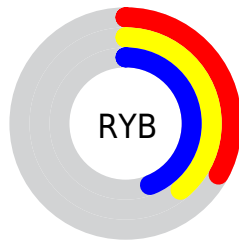
The XYZ color **12.5419, 14.8873, 17.8353** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.5811, 10.4918, 9.8028**, and the grayscale version is **13.2388, 13.9283, 15.1679**.

A 20% lighter version of the original color is **30.0782, 34.6952, 40.7089**, and **3.6074, 4.5556, 5.6902** is the 20% darker color. If you saturate the color by 10%, you get **11.6111, 14.4078, 17.7919**, and if you desaturate by 10%, it is **13.6368, 15.4521, 17.8870**.

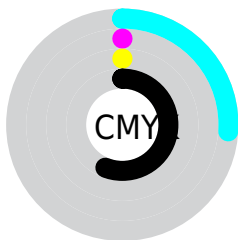
Distribution



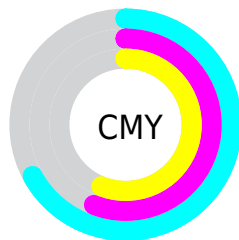
- Red (33%)
- Green (44%)
- Blue (44%)



- Red (33%)
- Yellow (39%)
- Blue (44%)



- Cyan (26%)
- Magenta (0%)
- Yellow (0%)
- Black (56%)



- Cyan (67%)
- Magenta (56%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5419, 14.8873, 17.8353 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 12.5419, 14.8873, 17.8353 by changing the saturation by 10% instead.

■ 12.5419, 14.8873,
17.8353

■ 12.5419, 14.8873,
17.8353

201.6580,
222.6831, 252.1459

■ 7.1887, 8.7403,
10.6636

■ 30.0867, 34.6553,
40.5666

■ 3.6278, 4.5722,
5.7298

■ 43.0089, 49.0452,
56.9633

■ 1.4938, 1.9985,
2.6154

■ 59.1849, 66.9515,
77.2721

■ 0.3216, 0.6066,
0.9004

■ 78.9799, 88.7586,
101.9115

■ 0.0000, 0.0000,
0.0000

■ 102.7594,
114.8509, 131.3000

130.8887,

145.6128, 165.8562

163.7331,
181.4288, 205.9987

■ 12.5419, 14.8873,
17.8353

■ 12.5419, 14.8873,
17.8353

■ 11.6111, 14.4078,
17.7919

■ 13.6368, 15.4521,
17.8870

■ 10.8352, 14.0079,
17.7554

■ 14.9018, 16.1042,
17.9464

■ 10.2063, 13.6837,
17.7258

■ 16.3441, 16.8478,
18.0140

■ 9.7151, 13.4304,
17.7027

■ 17.9702, 17.6861,
18.0903

■ 9.3512, 13.2429,
17.6855

■ 19.7863, 18.6223,
18.1754

■ 9.1030, 13.1149,
17.6737

■ 21.7982, 19.6595,
18.2698

■ 8.9472, 13.0346,
17.6663

■ 24.0116, 20.8005,
18.3735

■ 8.8858, 13.0029,
17.6633

■ 26.4318, 22.0482,
18.4869

■ 29.0640, 23.4051,
18.6103

Harmonies

Analogous

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



12.4952, 14.8873, 15.1989



12.5419, 14.8873, 17.8353



13.0080, 14.8873, 20.2668

Triad

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



12.5419, 14.8873, 17.8353



15.5035, 14.8873, 19.8103



14.5136, 14.8873, 11.7572

Complementary

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



12.5419, 14.8873, 17.8353



11.5811, 10.4918, 9.8028

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.



15.3569, 14.8873, 12.7338



12.5419, 14.8873, 17.8353



15.9446, 14.8873, 17.2645

Square

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



12.5419, 14.8873, 17.8353



14.7067, 14.8873, 21.4891



15.8899, 14.8873, 14.6861



13.6074, 14.8873, 11.8747

Rectangle

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



12.5419, 14.8873, 17.8353



13.5055, 14.8873, 21.3575



15.8899, 14.8873, 14.6861



14.8145, 14.8873, 11.9637

Sweetspot

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



12.5423, 14.8879, 17.8356



26.0760, 28.5233, 32.1065



11.2054, 14.3581, 10.5686



5.9641, 6.5622, 7.4220



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



12.5423, 14.8879, 17.8356



21.3967, 26.1111, 31.8868



11.0975, 11.9980, 17.3544



3.4750, 3.8152, 4.3074



10.0792, 14.7492, 20.0355



50.2087, 73.4721, 99.8049

Inverse Universe

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



11.5811, 10.4918, 9.8028



19.3520, 16.7597, 14.7992



12.7800, 12.8898, 10.2022



3.3845, 3.4015, 3.5515



7.7250, 3.9824, 0.3617



38.4814, 19.8379, 1.8012

Previews

White Background



This preview shows how the XYZ color 12.5419, 14.8873, 17.8353 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 12.5419, 14.8873, 17.8353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

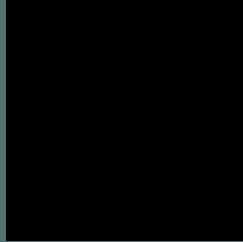
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.5419, 14.8873, 17.8353

Background



This preview shows how black text looks on a background with the XYZ color 12.5419, 14.8873, 17.8353.



This preview shows how white text looks on a background with the XYZ color 12.5419, 14.8873,

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

12.5419, 14.8873, 17.8353

Protanopia

14.3247, 14.8707, 16.5833

Deuteranopia

14.9843, 14.7158, 18.2703



Tritanopia

13.0831, 14.9473, 20.2847

Trichromacy



Original Color

12.5419, 14.8873, 17.8353

Protanomaly

13.5386, 14.7724, 16.8896

Deuteranomaly

13.8885, 14.6139, 18.0083

Tritanomaly

12.8105, 14.8276, 19.3264

Monochromacy



Original Color

12.5419, 14.8873, 17.8353

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.8413, 14.1183, 15.9582

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5419, 14.8873, 17.8353 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(84, 113, 113) looks like.

```
.text, #text, p{  
    color:rgb(84, 113, 113)  
}
```

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(84, 113, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 113, 113) }
```

Border

The CSS property to change the border of an element to XYZ 12.5419, 14.8873, 17.8353 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(84, 113, 113) }
```


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

```
.border{ border-color:rgb(84, 113, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 113, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 113, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 113, 113);  
box-shadow:4px 4px 4px 4px rgb(84, 113,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5419, 14.8873, 17.8353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 113, 113) }
```

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

```
.background{ background-color: rgb(84, 113,  
113) }
```

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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