

Converting Colors

XYZ(12.4563, 12.5601, 17.6031)

Have a look what the booklet for
XYZ(12.4563, 12.5601, 17.6031)
contains.

XYZ(12.4419, 12.5469, 17.6856)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.4419, 12.5469,
17.6856)**

Conversions

Conversions Part 1

Format	Color
Hex	626272
RGB	98, 98, 114
RGB Percent	38%, 38%, 45%
CMY	0.6157, 0.6157, 0.5529
CMYK	0.14, 0.14, 0.00, 0.55
HSL	240°, 8%, 42%
HSV	240°, 14%, 45%
XYZ	12.4419, 12.5469, 17.6856
YIQ	99.8240, -5.1360, 4.9760

Conversions

Conversions Part 2

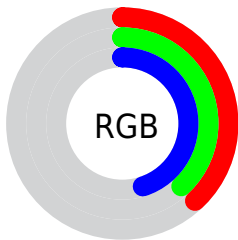
Format	Color
R_{YB}	98, 98, 114
Decimal	6447730
CIE _{Lab}	42.07, 3.56, -9.00
CIE _{LCh}	42, 9.678, 291.599
Yxy	12.5469, 0.2916, 0.2940
Android (android.graphics.Color)	4284637810 (0xFF626272)
YUV	99.8240, 6.9888, -1.5996
Hunter-Lab	35.4216, 0.7106, -4.8077

Details

The XYZ color **12.4419, 12.5469, 17.6856** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.1614, 16.4937, 13.9400**, and the grayscale version is **12.0523, 12.6799, 13.8084**.

A 20% lighter version of the original color is **30.0248, 30.6376, 40.4076**, and **3.5766, 3.5531, 5.6516** is the 20% darker color. If you saturate the color by 10%, you get **10.3068, 9.9743, 17.3018**, and if you desaturate by 10%, it is **14.9049, 15.5147, 18.1288**.

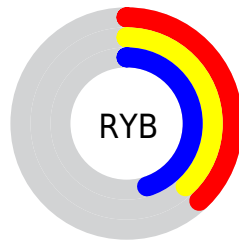
Distribution



Red (38%)

Green (38%)

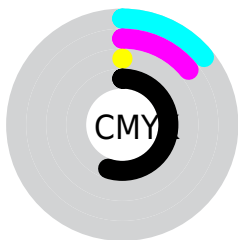
Blue (45%)



Red (38%)

Yellow (38%)

Blue (45%)

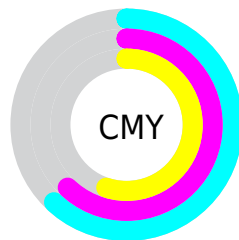


Cyan (14%)

Magenta (14%)

Yellow (0%)

Black (55%)



Cyan (62%)

Magenta (62%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4419, 12.5469, 17.6856 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 12.4419, 12.5469, 17.6856 by changing the saturation by 10% instead.

■ 12.4419, 12.5469,
17.6856

■ 12.4419, 12.5469,
17.6856

201.0200,
207.9930, 251.2692

■ 7.1197, 7.1173,
10.5574

■ 29.9073, 30.4873,
40.3075

■ 3.5841, 3.5356,
5.6597

■ 42.7813, 43.7669,
56.6384

■ 1.4696, 1.4173,
2.5738

■ 58.9032, 60.4320,
76.8738

■ 0.3050, 0.2294,
0.8789

■ 78.6385, 80.8669,
101.4324

■ 0.0000, 0.0000,
0.0000

102.3525,
105.4561, 130.7327

130.4105,

134.5839, 165.1933

163.1778,
168.6348, 205.2326

■ 12.4419, 12.5469,
17.6856

■ 12.4419, 12.5469,
17.6856

■ 10.3068, 9.9743,
17.3018

■ 14.9049, 15.5147,
18.1288

■ 8.4846, 7.7788,
16.9740

■ 17.7077, 18.8918,
18.6329

■ 6.9611, 5.9431,
16.7000

■ 20.8628, 22.6933,
19.2004

■ 5.7204, 4.4481,
16.4768

■ 24.3819, 26.9334,
19.8334

■ 4.7450, 3.2727,
16.3014

■ 28.2760, 31.6254,
20.5338

■ 4.0155, 2.3938,
16.1702

■ 32.5558, 36.7821,
21.3035

■ 3.5102, 1.7849,
16.0793

■ 37.2315, 42.4158,
22.1445

■ 3.1963, 1.4066,
16.0228

■ 42.3130, 48.5384,
23.0585

■ 3.0374, 1.2151,
15.9942

■ 47.8096, 55.1612,
24.0471

Harmonies

Analogous

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



11.7245, 12.5469, 17.9670



12.4419, 12.5469, 17.6856



13.0426, 12.5469, 16.2728

Triad

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



12.4419, 12.5469, 17.6856



12.8054, 12.5469, 10.7862



10.6088, 12.5469, 13.0908

Complementary

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



12.4419, 12.5469, 17.6856



15.1614, 16.4937, 13.9400

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.



10.8740, 12.5469, 11.3456



12.4419, 12.5469, 17.6856



12.1287, 12.5469, 10.1053

Square

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



12.4419, 12.5469, 17.6856



13.2583, 12.5469, 12.2545



11.4235, 12.5469, 10.2993



10.6851, 12.5469, 15.1722

Rectangle

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



12.4419, 12.5469, 17.6856



13.2867, 12.5469, 14.9505



11.4235, 12.5469, 10.2993



10.6605, 12.5469, 12.4487

Sweetspot

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



12.4423, 12.5474, 17.6859



26.1607, 27.2257, 31.8518



14.0766, 15.8403, 18.1559



5.9844, 6.2173, 7.3544



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.



12.4423, 12.5474, 17.6859



20.5242, 20.4343, 30.8380



13.3173, 12.9983, 17.7268



3.2176, 3.3005, 4.2217



3.3812, 1.3527, 17.8045



16.8428, 6.7375, 88.6919

Inverse Universe

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



13.5120, 13.1948, 13.3905



22.8076, 21.8163, 21.6689



14.1977, 15.9972, 13.8949



3.3845, 3.4015, 3.5516



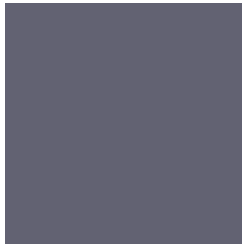
7.7250, 3.9824, 0.3618



38.4815, 19.8379, 1.8016

Previews

White Background



This preview shows how the XYZ color 12.4419, 12.5469, 17.6856 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 12.4419, 12.5469, 17.6856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

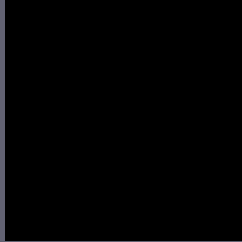
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

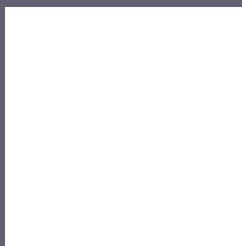
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.4419, 12.5469, 17.6856

Background



This preview shows how black text looks on a background with the XYZ color 12.4419, 12.5469, 17.6856.



This preview shows how white text looks on a background with the XYZ color 12.4419, 12.5469,

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

12.4419, 12.5469, 17.6856

Protanopia

12.2288, 12.4371, 17.6757

Deuteranopia

12.7914, 12.5891, 17.6753



Tritanopia

12.0454, 12.5266, 15.6929

Trichromacy



Original Color

12.4419, 12.5469, 17.6856

Protanomaly

12.3347, 12.4917, 17.6806

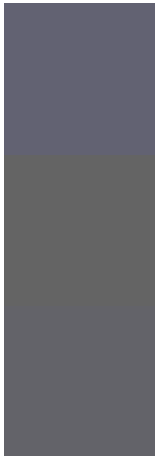
Deuteranomaly

12.6788, 12.5310, 17.6701

Tritanomaly

12.2061, 12.5909, 16.5388

Monochromacy



Original Color

12.4419, 12.5469, 17.6856

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.1572, 12.5963, 15.1552

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4419, 12.5469, 17.6856 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(98, 98, 114) looks like.

```
.text, #text, p{  
    color:rgb(98, 98, 114)  
}
```

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(98, 98, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 98, 114) }
```

Border

The CSS property to change the border of an element to XYZ 12.4419, 12.5469, 17.6856 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(98, 98, 114) }
```


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

```
.border{ border-color:rgb(98, 98, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 98, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 98, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 98, 114);  
box-shadow:4px 4px 4px 4px rgb(98, 98,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4419, 12.5469, 17.6856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 98, 114) }
```

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

```
.background{ background-color: rgb(98, 98,  
114) }
```

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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