

Converting Colors

XYZ(12.4949, 13.3490, 15.7754)

Have a look what the booklet for
XYZ(12.4949, 13.3490, 15.7754)
contains.

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Color

**XYZ(12.5411, 13.3587,
15.8274)**

Conversions

Conversions Part 1

Format	Color
Hex	62676B
RGB	98, 103, 107
RGB Percent	38%, 40%, 42%
CMY	0.6157, 0.5961, 0.5804
CMYK	0.08, 0.04, 0.00, 0.58
HSL	207°, 4%, 40%
HSV	207°, 8%, 42%
XYZ	12.5411, 13.3587, 15.8274
YIQ	101.9610, -4.2640, 0.1840

Conversions

Conversions Part 2

Format	Color
R_{YB}	98, 101, 107
Decimal	6449003
CIE Lab	43.30, -1.05, -2.92
CIE LCh	43, 3.103, 250.207
Yxy	13.3587, 0.3005, 0.3201
Android (android.graphics.Color)	4284639083 (0xFF62676B)
YUV	101.9610, 2.4842, -3.4738
Hunter-Lab	36.5496, -2.7137, -0.0902

Details

The XYZ color **12.5411, 13.3587, 15.8274** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.0194, 13.5103, 13.4771**, and the grayscale version is **12.6139, 13.2709, 14.4520**.

A 20% lighter version of the original color is **30.1216, 31.9694, 36.9309**, and **3.6460, 3.8847, 4.8326** is the 20% darker color. If you saturate the color by 10%, you get **11.0035, 11.8843, 15.6241**, and if you desaturate by 10%, it is **14.2607, 14.9676, 16.0475**.

Distribution



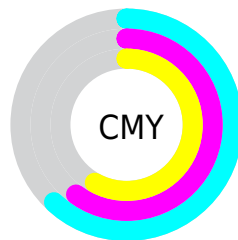
- Red (38%)
- Green (40%)
- Blue (42%)



- Red (38%)
- Yellow (40%)
- Blue (42%)



- Cyan (8%)
- Magenta (4%)
- Yellow (0%)
- Black (58%)



- Cyan (62%)
- Magenta (60%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5411, 13.3587, 15.8274 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 12.5411, 13.3587, 15.8274 by changing the saturation by 10% instead.

■ 12.5411, 13.3587,
15.8274

■ 12.5411, 13.3587,
15.8274

201.6529,
213.2039, 240.1319

■ 7.1881, 7.6760,
9.2491

■ 30.0852, 31.9467,
37.0609

■ 3.6274, 3.8883,
4.8050

■ 43.0071, 45.6208,
52.5532

■ 1.4936, 1.6113,
2.0766

■ 59.1826, 62.7275,
71.8538

■ 0.3215, 0.3652,
0.6018

■ 78.9772, 83.6513,
95.3814

■ 0.0000, 0.0000,
0.0000

102.7562,
108.7763, 123.5545

130.8849,

138.4872, 156.7916

163.7287,
173.1683, 195.5112

■ 12.5411, 13.3587,
15.8274

■ 12.5411, 13.3587,
15.8274

■ 11.0035, 11.8843,
15.6241

■ 14.2607, 14.9676,
16.0475

■ 9.6403, 10.5387,
15.4362

■ 16.1674, 16.7131,
16.2839

■ 8.4449, 9.3182,
15.2636

■ 18.2674, 18.5995,
16.5374

■ 7.4098, 8.2182,
15.1058

■ 20.5663, 20.6302,
16.8082

■ 6.5271, 7.2340,
14.9624

■ 23.0694, 22.8086,
17.0967

■ 5.7880, 6.3602,
14.8327

■ 25.7821, 25.1379,
17.4033

■ 5.1826, 5.5911,
14.7161

■ 28.7091, 27.6214,
17.7284

■ 4.6999, 4.9201,
14.6121

■ 31.8553, 30.2619,
18.0723

■ 4.3025, 4.3273,
14.5186

■ 35.2254, 33.0626,
18.4352

Harmonies

Analogous

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



12.3471, 13.3587, 15.4172



12.5411, 13.3587, 15.8274



12.7792, 13.3587, 15.8881

Triad

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



12.5411, 13.3587, 15.8274



13.1576, 13.3587, 14.3119



12.4009, 13.3587, 13.5572

Complementary

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



12.5411, 13.3587, 15.8274



13.0194, 13.5103, 13.4771

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.



12.6153, 13.3587, 13.2805



12.5411, 13.3587, 15.8274



13.0535, 13.3587, 13.7070

Square

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



12.5411, 13.3587, 15.8274



13.1371, 13.3587, 14.9984



12.8543, 13.3587, 13.3345



12.2669, 13.3587, 14.1015

Rectangle

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



12.5411, 13.3587, 15.8274



12.9311, 13.3587, 15.7202



12.8543, 13.3587, 13.3345



12.4658, 13.3587, 13.4306

Sweetspot

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



12.5415, 13.3593, 15.8277



24.0555, 25.4250, 28.5474



12.6882, 14.0696, 14.5916



5.7706, 6.1054, 6.9031



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



12.5415, 13.3593, 15.8277



21.9172, 23.4091, 28.2709



12.1151, 12.5065, 15.6856



3.0748, 3.2779, 3.9055



5.1296, 5.0936, 17.6350



25.2612, 24.2010, 89.5660

Inverse Universe

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



12.8796, 12.8407, 14.6323



22.6515, 22.2983, 25.6714



13.4636, 14.3986, 13.6251



3.1635, 3.1423, 3.5916



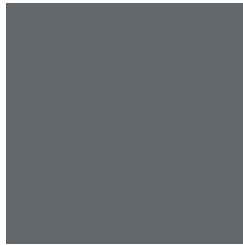
8.3361, 4.1866, 5.3983



42.0335, 21.1553, 25.1768

Previews

White Background



This preview shows how the XYZ color 12.5411, 13.3587, 15.8274 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 12.5411, 13.3587, 15.8274 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

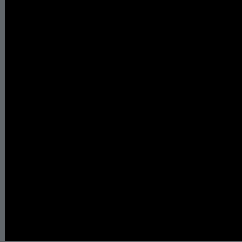
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

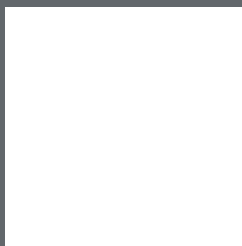
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.5411, 13.3587, 15.8274

Background



This preview shows how black text looks on a background with the XYZ color 12.5411, 13.3587, 15.8274.



This preview shows how white text looks on a background with the XYZ color 12.5411, 13.3587,

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

12.5411, 13.3587, 15.8274

Protanopia

12.9464, 13.4269, 15.5450

Deuteranopia

13.5990, 13.3214, 16.0419



Tritanopia

12.7662, 13.3031, 16.9338

Trichromacy

**Original Color**

12.5411, 13.3587, 15.8274

Protanomaly

12.7197, 13.3101, 15.5344

Deuteranomaly

13.2078, 13.2612, 16.0509

Tritanomaly

12.7114, 13.2812, 16.6454

Monochromacy

**Original Color**

12.5411, 13.3587, 15.8274

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.6169, 13.2689, 14.9929

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5411, 13.3587, 15.8274 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, 103, 107) looks like.

```
.text, #text, p{  
    color:rgb(98, 103, 107)  
}
```

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, 103, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 103, 107) }
```

Border

The CSS property to change the border of an element to XYZ 12.5411, 13.3587, 15.8274 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, 103, 107) }
```


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

```
.border{ border-color:rgb(98, 103, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 103, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 103, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 103, 107);  
box-shadow:4px 4px 4px 4px rgb(98, 103,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5411, 13.3587, 15.8274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 103, 107) }
```

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

```
.background{ background-color: rgb(98, 103,  
107) }
```

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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