

Converting Colors

XYZ(12.7533, 13.8811, 13.4853)

Have a look what the booklet for
XYZ(12.7533, 13.8811, 13.4853)
contains.

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Color

**XYZ(12.7357, 13.8098,
13.5496)**

Conversions

Conversions Part 1

Format	Color
Hex	666962
RGB	102, 105, 98
RGB Percent	40%, 41%, 38%
CMY	0.6000, 0.5882, 0.6157
CMYK	0.03, 0.00, 0.07, 0.59
HSL	86°, 3%, 40%
HSV	86°, 7%, 41%
XYZ	12.7357, 13.8098, 13.5496
YIQ	103.3050, 0.4590, -2.8130

Conversions

Conversions Part 2

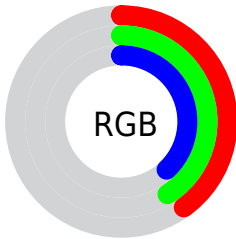
Format	Color
R_{YB}	98, 105, 101
Decimal	6711650
CIE _{Lab}	43.96, -2.59, 3.53
CIE _{LCh}	44, 4.373, 126.254
Yxy	13.8098, 0.3176, 0.3444
Android (android.graphics.Color)	4284901730 (0xFF666962)
YUV	103.3050, -2.6154, -1.1445
Hunter-Lab	37.1615, -3.8586, 4.3951

Details

The XYZ color **12.7357, 13.8098, 13.5496** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.2849, 12.5224, 15.1349**, and the grayscale version is **12.9799, 13.6559, 14.8712**.

A 20% lighter version of the original color is **30.4502, 32.7192, 33.1443**, and **3.7084, 4.0863, 3.8421** is the 20% darker color. If you saturate the color by 10%, you get **11.7758, 13.3689, 11.0842**, and if you desaturate by 10%, it is **13.7892, 14.2922, 16.3595**.

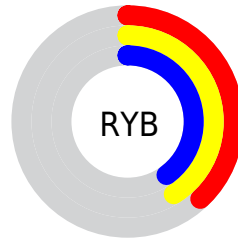
Distribution



Red (40%)

Green (41%)

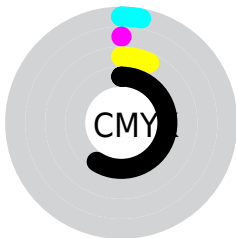
Blue (38%)



Red (38%)

Yellow (41%)

Blue (40%)

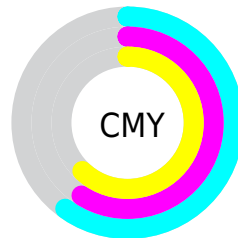


Cyan (3%)

Magenta (0%)

Yellow (7%)

Black (59%)



Cyan (60%)

Magenta (59%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7357, 13.8098, 13.5496 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 12.7357, 13.8098, 13.5496 by changing the saturation by 10% instead.

■ 12.7357, 13.8098,
13.5496

■ 12.7357, 13.8098,
13.5496

202.8888,
216.0444, 225.7407

■ 7.3225, 7.9885,
7.6729

■ 30.4335, 32.7512,
32.9932

■ 3.7127, 4.0876,
3.8016

■ 43.4489, 46.6400,
47.3973

■ 1.5409, 1.7227,
1.5172

■ 59.7290, 63.9868,
65.4809

■ 0.3534, 0.4383,
0.2307

■ 79.6393, 85.1760,
87.6625

■ 0.0000, 0.0000,
0.0000

103.5450,
110.5920, 114.3608

131.8116,

140.6191, 145.9942

164.8044,
175.6418, 182.9814

■ 12.7357, 13.8098,
13.5496

■ 12.7357, 13.8098,
13.5496

■ 11.7758, 13.3689,
11.0842

■ 13.7892, 14.2922,
16.3595

■ 10.9053, 12.9665,
8.9493

■ 14.9378, 14.8155,
19.5256

■ 10.1216, 12.6019,
7.1308

■ 16.1847, 15.3813,
23.0600

■ 9.4212, 12.2738,
5.6139

■ 17.5325, 15.9909,
26.9742

■ 8.8007, 11.9805,
4.3820

■ 18.9835, 16.6451,
31.2790

■ 8.2561, 11.7205,
3.4172

■ 20.5401, 17.3451,
35.9847

■ 7.7831, 11.4921,
2.6996

■ 22.2047, 18.0916,
41.1016

■ 7.3770, 11.2932,
2.2064

■ 23.9794, 18.8858,
46.6391

■ 7.0254, 11.1189,
1.8763

■ 25.8665, 19.7285,
52.6067

Harmonies

Analogous

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



13.0534, 13.8098, 13.2183



12.7357, 13.8098, 13.5496



12.5253, 13.8098, 14.2811

Triad

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



12.7357, 13.8098, 13.5496



12.8593, 13.8098, 16.8517



13.7993, 13.8098, 14.8296

Complementary

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



12.7357, 13.8098, 13.5496



12.2849, 12.5224, 15.1349

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.



13.7452, 13.8098, 15.8181



12.7357, 13.8098, 13.5496



13.1985, 13.8098, 17.0143

Square

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



12.7357, 13.8098, 13.5496



12.5958, 13.8098, 16.1935



13.5238, 13.8098, 16.6284



13.6705, 13.8098, 13.9360

Rectangle

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



12.7357, 13.8098, 13.5496



12.4721, 13.8098, 14.9122



13.5238, 13.8098, 16.6284



13.8020, 13.8098, 15.1615

Sweetspot

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



12.7361, 13.8104, 13.5499



23.6528, 25.1166, 26.5031



12.6764, 13.1768, 13.4307



5.5483, 5.8871, 6.2288



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



12.7361, 13.8104, 13.5499



22.5249, 24.5997, 23.5319



12.3568, 13.6149, 13.5321



3.2139, 3.5221, 3.3279



8.7117, 13.9862, 2.2405



43.3812, 70.7459, 11.3689

Inverse Universe

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



12.2849, 12.5224, 15.1349



21.5376, 21.7814, 27.0001



12.6754, 12.7237, 15.1532



3.0600, 3.0827, 3.8686



4.5583, 1.9769, 17.0636



22.2712, 9.5808, 86.9017

Previews

White Background



This preview shows how the XYZ color 12.7357, 13.8098, 13.5496 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 12.7357, 13.8098, 13.5496 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

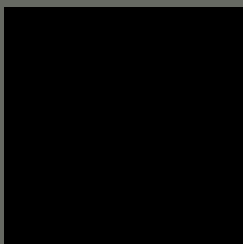
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

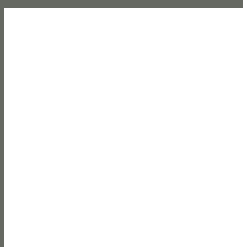
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.7357, 13.8098, 13.5496

Background



This preview shows how black text looks on a background with the XYZ color 12.7357, 13.8098, 13.5496.



This preview shows how white text looks on a background with the XYZ color 12.7357, 13.8098,

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

12.7357, 13.8098, 13.5496

Protanopia

13.0713, 13.6894, 13.2626

Deuteranopia

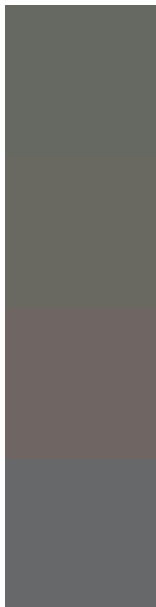
14.0118, 13.7282, 13.7157



Tritanopia

13.4284, 13.7912, 16.9931

Trichromacy



Original Color

12.7357, 13.8098, 13.5496

Protanomaly

12.9337, 13.7670, 13.2849

Deuteranomaly

13.5590, 13.7831, 13.7501

Tritanomaly

13.1454, 13.8248, 15.6113

Monochromacy



Original Color

12.7357, 13.8098, 13.5496

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.8928, 13.7238, 14.2813

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7357, 13.8098, 13.5496 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(102, 105, 98)` looks like.

```
.text, #text, p{  
    color:rgb(102, 105, 98)  
}
```

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(102, 105, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 105, 98) }
```

Border

The CSS property to change the border of an element to XYZ 12.7357, 13.8098, 13.5496 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(102, 105, 98) }
```


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

```
.border{ border-color:rgb(102, 105, 98) }
```

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

Here you see how a box with a 4 pixel rgb(102, 105, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 105, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 105, 98);  
box-shadow:4px 4px 4px 4px rgb(102, 105,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7357, 13.8098, 13.5496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 105, 98) }
```

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

```
.background{ background-color: rgb(102,  
105, 98) }
```

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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