

Converting Colors

XYZ(13.3063, 13.7669, 6.2409)

Have a look what the booklet for
XYZ(13.3063, 13.7669, 6.2409)
contains.

XYZ(13.3127, 13.8221, 6.2412)	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(13.3127, 13.8221,
6.2412)**

Conversions

Conversions Part 1

Format	Color
Hex	78663C
RGB	120, 102, 60
RGB Percent	47%, 40%, 24%
CMY	0.5294, 0.6000, 0.7647
CMYK	0.00, 0.15, 0.50, 0.53
HSL	42°, 33%, 35%
HSV	42°, 50%, 47%
XYZ	13.3127, 13.8221, 6.2412
YIQ	102.5940, 24.2100, -9.2460

Conversions

Conversions Part 2

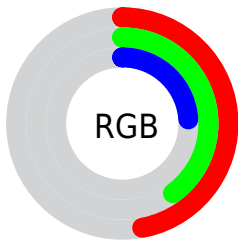
Format	Color
R_{YB}	86, 120, 60
Decimal	7890492
CIE Lab	43.98, 1.14, 26.29
CIE LCh	44, 26.319, 87.508
Yxy	13.8221, 0.3989, 0.4141
Android (android.graphics.Color)	4286080572 (0xFF78663C)
YUV	102.5940, -20.9988, 15.2651
Hunter-Lab	37.1781, -1.1445, 16.0715

Details

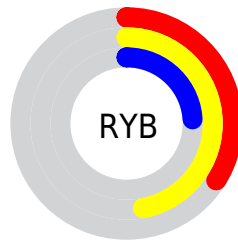
The XYZ color **13.3127, 13.8221, 6.2412** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.9778, 7.7651, 18.8475**, and the grayscale version is **12.8344, 13.5028, 14.7046**.

A 20% lighter version of the original color is **31.5536, 32.8638, 18.8677**, and **3.9855, 4.0719, 1.0661** is the 20% darker color. If you saturate the color by 10%, you get **12.6848, 13.0177, 4.6405**, and if you desaturate by 10%, it is **14.0286, 14.6873, 8.2266**.

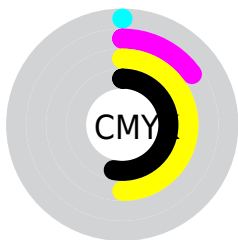
Distribution



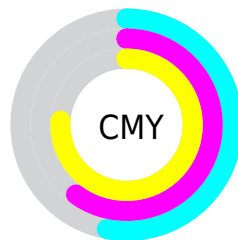
- Red (47%)
- Green (40%)
- Blue (24%)



- Red (34%)
- Yellow (47%)
- Blue (24%)



- Cyan (0%)
- Magenta (15%)
- Yellow (50%)
- Black (53%)





- Cyan (53%)
- Magenta (60%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.3127, 13.8221, 6.2412 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 13.3127, 13.8221, 6.2412 by changing the saturation by 10% instead.


 13.3127, 13.8221,
6.2412


 13.3127, 13.8221,
6.2412


206.5095,
216.1213, 170.5850


 7.7227, 7.9970,
2.9211


 31.4610, 32.7730,
18.9158


 3.9683, 4.0931,
1.0545

 44.7500, 46.6677,
29.1073

 1.6842, 1.7258,
0.0000

 61.3360, 64.0210,
42.4265

 0.4464, 0.4402,
0.0000

 81.5845, 85.2174,
59.2918

 0.0000, 0.0000,
0.0000

 105.8607,
110.6412, 80.1218

 134.5300,

140.6769, 105.3349

167.9578,
175.7088, 135.3498

■ 13.3127, 13.8221,
6.2412

■ 13.3127, 13.8221,
6.2412

■ 12.6848, 13.0177,
4.6405

■ 14.0286, 14.6873,
8.2266

■ 12.1388, 12.2698,
3.3977

■ 14.8362, 15.6136,
10.6195

■ 11.6693, 11.5764,
2.4836

■ 15.7400, 16.6036,
13.4417

■ 11.2696, 10.9346,
1.8645

■ 16.7442, 17.6591,
16.7136

■ 10.9166, 10.3348,
1.4195

■ 17.8523, 18.7821,
20.4539

■ 10.9165, 10.3348,
1.4194

■ 19.0681, 19.9740,
24.6804

■ 20.3948, 21.2367,
29.4100

■ 21.8356, 22.5717,
34.6587

■ 23.3937, 23.9804,
40.4418

Harmonies

Analogous

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



15.4129, 13.8221, 7.2892



13.3127, 13.8221, 6.2412



11.3700, 13.8221, 6.9854

Triad

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



13.3127, 13.8221, 6.2412



9.8903, 13.8221, 21.0059



16.8208, 13.8221, 22.1052

Complementary

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



13.3127, 13.8221, 6.2412



7.9778, 7.7651, 18.8475

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.



15.0793, 13.8221, 27.7161



13.3127, 13.8221, 6.2412



11.0978, 13.8221, 26.9722

Square

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



13.3127, 13.8221, 6.2412



9.5227, 13.8221, 14.5559



12.9638, 13.8221, 29.6971



17.5677, 13.8221, 15.5550

Rectangle

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



13.3127, 13.8221, 6.2412



10.3954, 13.8221, 8.5457



12.9638, 13.8221, 29.6971



16.3238, 13.8221, 24.2231

Sweetspot

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



13.3130, 13.8228, 6.2415



28.4798, 30.0483, 26.2068



10.7367, 7.7749, 8.1426



6.6789, 7.0466, 5.9820



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



13.3130, 13.8228, 6.2415



22.1604, 22.6963, 7.8020



13.7164, 16.9472, 6.8233



4.2111, 4.4406, 4.2597



11.8967, 11.2494, 1.5443



55.9770, 52.1174, 7.1094

Inverse Universe

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



7.9778, 7.7651, 18.8475



11.6373, 10.7647, 32.7175



7.6786, 5.9656, 18.5159



3.8866, 4.0715, 5.0242



4.3750, 2.8324, 19.7014



20.2073, 12.1872, 93.7571

Previews

White Background



This preview shows how the XYZ color 13.3127, 13.8221, 6.2412 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 13.3127, 13.8221, 6.2412 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 13.3127, 13.8221, 6.2412

Background



This preview shows how black text looks on a background with the XYZ color 13.3127, 13.8221, 6.2412.



This preview shows how white text looks on a background with the XYZ color 13.3127, 13.8221,

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

13.3127, 13.8221, 6.2412

Protanopia

12.7320, 13.8150, 6.4104

Deuteranopia

14.0565, 13.7726, 6.3324



Tritanopia

15.0856, 13.8340, 14.9718

Trichromacy



Original Color

13.3127, 13.8221, 6.2412

Protanomaly

12.8950, 13.7504, 6.3893

Deuteranomaly

13.7117, 13.7364, 6.3436

Tritanomaly

14.3917, 13.8392, 11.1452

Monochromacy



Original Color

13.3127, 13.8221, 6.2412

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.8772, 13.6398, 10.9709

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3127, 13.8221, 6.2412 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(120, 102, 60)` looks like.

```
.text, #text, p{  
    color:rgb(120, 102, 60)  
}
```

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(120, 102, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 102, 60) }
```

Border

The CSS property to change the border of an element to XYZ 13.3127, 13.8221, 6.2412 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(120, 102, 60) }
```


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

```
.border{ border-color:rgb(120, 102, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 102, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 102, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 102, 60);  
box-shadow:4px 4px 4px 4px rgb(120, 102,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3127, 13.8221, 6.2412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 102, 60) }
```

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

```
.background{ background-color: rgb(120,  
102, 60) }
```

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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