

Converting Colors

XYZ(12.3243, 13.2280, 7.7876)

Have a look what the booklet for
XYZ(12.3243, 13.2280, 7.7876)
contains.

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Color

**XYZ(12.3191, 13.2727,
7.8738)**

Conversions

Conversions Part 1

Format	Color
Hex	6E6647
RGB	110, 102, 71
RGB Percent	43%, 40%, 28%
CMY	0.5686, 0.6000, 0.7216
CMYK	0.00, 0.07, 0.35, 0.57
HSL	48°, 22%, 35%
HSV	48°, 35%, 43%
XYZ	12.3191, 13.2727, 7.8738
YIQ	100.8580, 14.7190, -7.9450

Conversions

Conversions Part 2

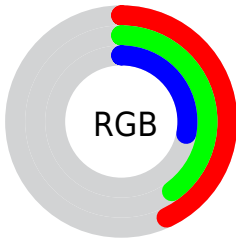
Format	Color
R_{YB}	81, 110, 71
Decimal	7235143
CIE Lab	43.17, -2.01, 18.70
CIE LCh	43, 18.803, 96.143
Yxy	13.2727, 0.3681, 0.3966
Android (android.graphics.Color)	4285425223 (0xFF6E6647)
YUV	100.8580, -14.7200, 8.0175
Hunter-Lab	36.4317, -3.3971, 12.6882

Details

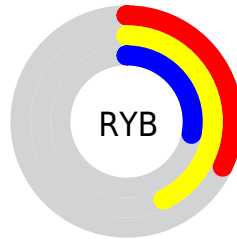
The XYZ color **12.3191, 13.2727, 7.8738** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.2089, 8.0570, 15.8743**, and the grayscale version is **12.3674, 13.0115, 14.1695**.

A 20% lighter version of the original color is **29.6817, 31.8199, 22.3468**, and **3.4885, 3.8036, 1.5872** is the 20% darker color. If you saturate the color by 10%, you get **11.7790, 12.7073, 6.1070**, and if you desaturate by 10%, it is **12.9298, 13.8770, 9.9799**.

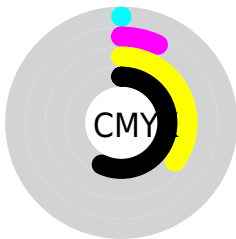
Distribution



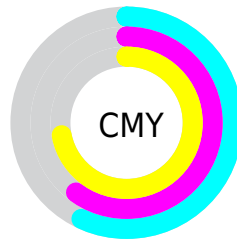
- Red (43%)
- Green (40%)
- Blue (28%)



- Red (32%)
- Yellow (43%)
- Blue (28%)



- Cyan (0%)
- Magenta (7%)
- Yellow (35%)
- Black (57%)



- Cyan (57%)
- Magenta (60%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3191, 13.2727, 7.8738 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 12.3191, 13.2727, 7.8738 by changing the saturation by 10% instead.

■ 12.3191, 13.2727,
7.8738

■ 12.3191, 13.2727,
7.8738

200.2336,
212.6580, 184.6363

■ 7.0351, 7.6166,
3.9277

■ 29.6868, 31.7928,
22.2527

■ 3.5306, 3.8506,
1.5858

■ 42.5012, 45.4257,
33.5226

■ 1.4402, 1.5904,
0.2806

■ 58.5566, 62.4862,
48.0709

■ 0.2846, 0.3511,
0.0000

■ 78.2181, 83.3588,
66.3160

■ 0.0000, 0.0000,
0.0000

■ 101.8512,
108.4279, 88.6766

129.8213,

138.0779, 115.5711

162.4936,
172.6931, 147.4182

■ 12.3191, 13.2727,
7.8738

■ 12.3191, 13.2727,
7.8738

■ 11.7790, 12.7073,
6.1070

■ 12.9298, 13.8770,
9.9799

■ 11.3051, 12.1774,
4.6605

■ 13.6134, 14.5197,
12.4412

■ 10.8938, 11.6821,
3.5145

■ 14.3732, 15.2027,
15.2738

■ 10.5409, 11.2195,
2.6470

■ 15.2121, 15.9272,
18.4924

■ 10.2416, 10.7877,
2.0327

■ 16.1328, 16.6944,
22.1110

■ 9.9862, 10.3828,
1.6214

■ 17.1379, 17.5053,
26.1428

■ 9.8747, 10.2036,
1.4490

■ 18.2297, 18.3610,
30.6005

■ 19.4106, 19.2625,
35.4962

■ 20.6829, 20.2109,
40.8415

Harmonies

Analogous

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



13.7778, 13.2727, 8.3063



12.3191, 13.2727, 7.8738



11.0402, 13.2727, 8.9116

Triad

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



12.3191, 13.2727, 7.8738



10.4936, 13.2727, 19.6955



15.3430, 13.2727, 17.9306

Complementary

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



12.3191, 13.2727, 7.8738



8.2089, 8.0570, 15.8743

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.



14.3335, 13.2727, 21.9128



12.3191, 13.2727, 7.8738



11.5201, 13.2727, 23.0608

Square

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



12.3191, 13.2727, 7.8738



10.0396, 13.2727, 15.3237



12.9162, 13.2727, 23.9415



15.5977, 13.2727, 13.6134

Rectangle

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



12.3191, 13.2727, 7.8738



10.4372, 13.2727, 10.4413



12.9162, 13.2727, 23.9415



15.0771, 13.2727, 19.3764

Sweetspot

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



12.3194, 13.2733, 7.8741



24.4466, 25.9899, 23.8382



10.1114, 8.3927, 8.5704



5.6595, 6.0215, 5.4384



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.



12.3194, 13.2733, 7.8741



20.8037, 22.4428, 11.0981



11.8534, 14.2566, 8.0884



3.5866, 3.8058, 3.6189



11.8420, 12.2164, 1.7339



58.3640, 59.6032, 8.4285

Inverse Universe

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



8.2089, 8.0570, 15.8743



12.3717, 11.7470, 27.5226



8.5518, 7.4285, 15.7349



3.2679, 3.4011, 4.2385



3.7197, 2.0296, 17.9173



18.0141, 9.0802, 89.0823

Previews

White Background



This preview shows how the XYZ color 12.3191, 13.2727, 7.8738 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 12.3191, 13.2727, 7.8738 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 12.3191, 13.2727, 7.8738

Background



This preview shows how black text looks on a background with the XYZ color 12.3191, 13.2727, 7.8738.



This preview shows how white text looks on a background with the XYZ color 12.3191, 13.2727,

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

12.3191, 13.2727, 7.8738

Protanopia

12.3191, 13.2727, 7.8738

Deuteranopia

13.4225, 13.2682, 7.9845



Tritanopia

13.8569, 13.3327, 15.2077

Trichromacy



Original Color

12.3191, 13.2727, 7.8738

Protanomaly

12.3191, 13.2727, 7.8738

Deuteranomaly

12.9677, 13.1735, 7.9902

Tritanomaly

13.2477, 13.2247, 12.2103

Monochromacy



Original Color

12.3191, 13.2727, 7.8738

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.2081, 12.9886, 11.5365

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3191, 13.2727, 7.8738 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(110, 102, 71)` looks like.

```
.text, #text, p{  
    color:rgb(110, 102, 71)  
}
```

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(110, 102, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 102, 71) }
```

Border

The CSS property to change the border of an element to XYZ 12.3191, 13.2727, 7.8738 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(110, 102, 71) }
```


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

```
.border{ border-color:rgb(110, 102, 71) }
```

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

Here you see how a box with a 4 pixel rgb(110, 102, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 102, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 102, 71);  
box-shadow:4px 4px 4px 4px rgb(110, 102,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3191, 13.2727, 7.8738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 102, 71) }
```

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

```
.background{ background-color: rgb(110,  
102, 71) }
```

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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