

Converting Colors

XYZ(12.3328, 14.7394, 13.3241)

Have a look what the booklet for
XYZ(12.3328, 14.7394, 13.3241)
contains.

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Color

**XYZ(12.3191, 14.7082,
13.2560)**

Conversions

Conversions Part 1	
Format	Color
Hex	5C7060
RGB	92, 112, 96
RGB Percent	36%, 44%, 38%
CMY	0.6392, 0.5608, 0.6235
CMYK	0.18, 0.00, 0.14, 0.56
HSL	132°, 10%, 40%
HSV	132°, 18%, 44%
XYZ	12.3191, 14.7082, 13.2560
YIQ	104.1960, -6.7840, -9.2160

Conversions

Conversions Part 2

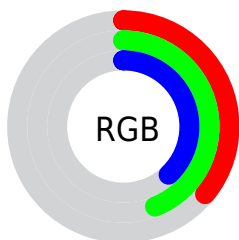
Format	Color
RYB	92, 109, 112
Decimal	6058080
CIELab	45.23, -10.89, 6.45
CIELCh	45, 12.659, 149.380
Yxy	14.7082, 0.3058, 0.3651
Android (android.graphics.Color)	4284248160 (0xFF5C7060)
YUV	104.1960, -4.0406, -10.6959
Hunter-Lab	38.3513, -9.7774, 6.3525

Details

The XYZ color **12.3191, 14.7082, 13.2560** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.2165, 12.1820, 15.8428**, and the grayscale version is **13.2227, 13.9113, 15.1494**.

A 20% lighter version of the original color is **29.6191, 34.3770, 32.2685**, and **3.5358, 4.4779, 3.6956** is the 20% darker color. If you saturate the color by 10%, you get **10.8927, 14.0182, 11.1572**, and if you desaturate by 10%, it is **13.9588, 15.5035, 15.6109**.

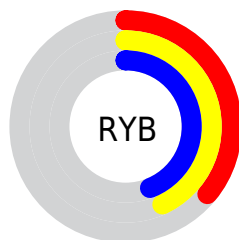
Distribution



Red (36%)

Green (44%)

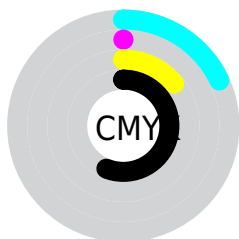
Blue (38%)



Red (36%)

Yellow (43%)

Blue (44%)

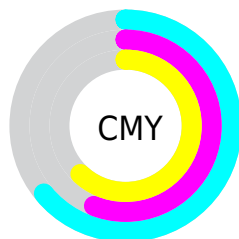


Cyan (18%)

Magenta (0%)

Yellow (14%)

Black (56%)



Cyan (64%)


Magenta (56%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.3191, 14.7082, 13.2560 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, 14.7082, 13.2560 by changing the saturation by 10% instead.


 12.3191, 14.7082,
13.2560


 12.3191, 14.7082,
13.2560


200.2336,
221.5932, 223.8170


 7.0351, 8.6149,
7.4723


 29.6868, 34.3405,
32.4608


 3.5306, 4.4908,
3.6763

 42.5012, 48.6482,
46.7190

 1.4402, 1.9517,
1.4495

 58.5566, 66.4628,
64.6391

 0.2846, 0.5792,
0.1799

 78.2181, 88.1687,
86.6397


 0.0000, 0.0000,
0.0000


101.8512,
114.1503, 113.1392


129.8213,

144.7919, 144.5562


162.4936,
180.4781, 181.3093


 12.3191, 14.7082,
13.2560


 12.3191, 14.7082,
13.2560


 10.8927, 14.0182,
11.1572


 13.9588, 15.5035,
15.6109


 9.6695, 13.4274,
9.3050


 15.8189, 16.4064,
18.2291


 8.6406, 12.9317,
7.6905


 17.9077, 17.4214,
21.1188


 7.7958, 12.5260,
6.3041


 20.2325, 18.5522,
24.2876


 7.1240, 12.2048,
5.1354


 22.8005, 19.8022,
27.7425


 6.6127, 11.9620,
4.1734


 25.6185, 21.1749,
31.4907


 6.2479, 11.7905,
3.4060

 28.6931, 22.6735,
35.5387

 5.9927, 11.6717,
2.8187

 32.0304, 24.3010,
39.8932

 5.9432, 11.6484,
2.7146

 35.6368, 26.0606,
44.5603

Harmonies

Analogous

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



13.0159, 14.7082, 11.5010



12.3191, 14.7082, 13.2560



12.0632, 14.7082, 15.9525

Triad

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



12.3191, 14.7082, 13.2560



13.9579, 14.7082, 22.4936



15.8068, 14.7082, 13.3514

Complementary

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



12.3191, 14.7082, 13.2560



13.2165, 12.1820, 15.8428

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.



16.0892, 14.7082, 16.0772



12.3191, 14.7082, 13.2560



14.9900, 14.7082, 21.5775

Square

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



12.3191, 14.7082, 13.2560



12.9800, 14.7082, 21.5016



15.7832, 14.7082, 19.1319



15.0295, 14.7082, 11.5511

Rectangle

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



12.3191, 14.7082, 13.2560



12.1667, 14.7082, 18.0035



15.7832, 14.7082, 19.1319



15.9644, 14.7082, 14.1781

Sweetspot

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



12.3195, 14.7088, 13.2563



25.3733, 27.6480, 28.6312



13.9109, 15.5500, 12.3935



6.0544, 6.6222, 6.8200



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.



12.3195, 14.7088, 13.2563



20.6734, 25.3698, 21.8743



12.8098, 14.9049, 15.8380



3.3698, 3.7731, 3.7539



6.8630, 13.4627, 3.0994



33.9323, 66.9615, 14.0946

Inverse Universe

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



13.2165, 12.1820, 15.8428



22.5279, 20.1448, 27.2211



12.7143, 11.9811, 13.1980



3.4872, 3.4426, 4.0924



9.8307, 4.8247, 11.4504



48.6604, 23.9095, 55.4033

Previews

White Background



This preview shows how the XYZ color 12.3191, 14.7082, 13.2560 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, 14.7082, 13.2560 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, 14.7082, 13.2560

Background



This preview shows how black text looks on a background with the XYZ color 12.3191, 14.7082, 13.2560.



This preview shows how white text looks on a background with the XYZ color 12.3191, 14.7082,

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, 14.7082, 13.2560

Protanopia

13.9156, 14.7504, 12.4696

Deuteranopia

14.8006, 14.5754, 13.5885



Tritanopia

13.5625, 14.7321, 19.2683

Trichromacy



Original Color
12.3191, 14.7082, 13.2560

Protanomaly
13.3147, 14.7487, 12.7347

Deuteranomaly
13.7421, 14.4861, 13.3811

Tritanomaly
13.1097, 14.7105, 16.9003

Monochromacy



Original Color
12.3191, 14.7082, 13.2560

Achromatopsia
13.1579, 13.8432, 15.0752

Achromatomaly
12.8622, 14.1643, 14.3680

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3191, 14.7082, 13.2560 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(92, 112, 96) looks like.

```
.text, #text, p{  
    color:rgb(92, 112, 96)  
}
```

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(92, 112, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 112, 96) }
```

Border

The CSS property to change the border of an element to XYZ 12.3191, 14.7082, 13.2560 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(92, 112, 96) }
```


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

```
.border{ border-color:rgb(92, 112, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 112, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 112, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 112, 96);  
box-shadow:4px 4px 4px 4px rgb(92, 112,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3191, 14.7082, 13.2560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 112, 96) }
```

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

```
.background{ background-color: rgb(92, 112,  
96) }
```

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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