

Converting Colors

XYZ(12.7142, 14.3314, 17.5140)

Have a look what the booklet for
XYZ(12.7142, 14.3314, 17.5140)
contains.

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Color

**XYZ(12.7077, 14.3313,
17.4257)**

Conversions

Conversions Part 1

Format	Color
Hex	5B6D70
RGB	91, 109, 112
RGB Percent	36%, 43%, 44%
CMY	0.6431, 0.5725, 0.5608
CMYK	0.19, 0.03, 0.00, 0.56
HSL	189°, 10%, 40%
HSV	189°, 19%, 44%
XYZ	12.7077, 14.3313, 17.4257
YIQ	103.9600, -11.6910, -2.8830

Conversions

Conversions Part 2

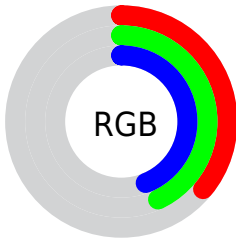
Format	Color
R _Y B	91, 101, 112
Decimal	5991792
CIE Lab	44.70, -5.99, -3.92
CIE LCh	45, 7.158, 213.237
Yxy	14.3313, 0.2858, 0.3223
Android (android.graphics.Color)	4284181872 (0xFF5B6D70)
YUV	103.9600, 3.9637, -11.3659
Hunter-Lab	37.8567, -6.3305, -0.7919

Details

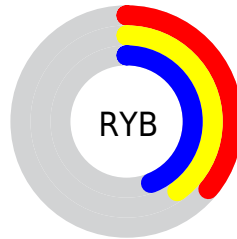
The XYZ color **12.7077, 14.3313, 17.4257** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.5733, 12.2056, 11.5911**, and the grayscale version is **13.1397, 13.8240, 15.0544**.

A 20% lighter version of the original color is **30.2562, 33.4847, 39.9905**, and **3.7302, 4.3733, 5.4980** is the 20% darker color. If you saturate the color by 10%, you get **11.5160, 13.4664, 17.3218**, and if you desaturate by 10%, it is **14.0681, 15.2886, 17.5390**.

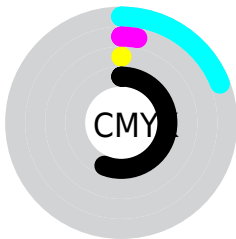
Distribution



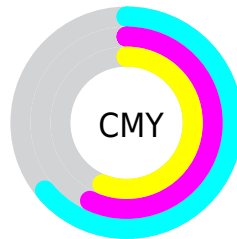
- Red (36%)
- Green (43%)
- Blue (44%)



- Red (36%)
- Yellow (40%)
- Blue (44%)



- Cyan (19%)
- Magenta (3%)
- Yellow (0%)
- Black (56%)



- Cyan (64%)
- Magenta (57%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7077, 14.3313, 17.4257 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 12.7077, 14.3313, 17.4257 by changing the saturation by 10% instead.

■ 12.7077, 14.3313,
17.4257

■ 12.7077, 14.3313,
17.4257

202.7115,
219.2822, 249.7402

■ 7.3032, 8.3514,
10.3733

■ 30.3835, 33.6757,
39.8569

■ 3.7004, 4.3206,
5.5383

■ 43.3854, 47.8091,
56.0728

■ 1.5341, 1.8545,
2.5023

■ 59.6505, 65.4291,
76.1803

■ 0.3489, 0.5208,
0.8413

■ 79.5442, 86.9201,
100.5978

■ 0.0000, 0.0000,
0.0000

103.4318,
112.6665, 129.7441

131.6786,

143.0527, 164.0376

164.6501,
178.4632, 203.8967

■ 12.7077, 14.3313,
17.4257

■ 12.7077, 14.3313,
17.4257

■ 11.5160, 13.4664,
17.3218

■ 14.0681, 15.2886,
17.5390

■ 10.4846, 12.6882,
17.2260

■ 15.6029, 16.3400,
17.6611

■ 9.6059, 11.9935,
17.1382

■ 17.3189, 17.4895,
17.7925

■ 8.8716, 11.3776,
17.0580

■ 19.2223, 18.7403,
17.9336

■ 8.2721, 10.8358,
16.9850

■ 21.3188, 20.0954,
18.0847

■ 7.7971, 10.3626,
16.9187

■ 23.6141, 21.5576,
18.2459

■ 7.4345, 9.9518,
16.8585

■ 26.1135, 23.1299,
18.4177

■ 7.1441, 9.5827,
16.8026

■ 28.8222, 24.8147,
18.6001

■ 7.1083, 9.5371,
16.7957

■ 31.7450, 26.6148,
18.7935

Harmonies

Analogous

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



12.5356, 14.3313, 15.7858



12.7077, 14.3313, 17.4257



13.1243, 14.3313, 18.6410

Triad

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



12.7077, 14.3313, 17.4257



14.6442, 14.3313, 17.0908



13.5584, 14.3313, 12.6212

Complementary

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



12.7077, 14.3313, 17.4257



12.5733, 12.2056, 11.5911

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.



14.1311, 14.3313, 12.9168



12.7077, 14.3313, 17.4257



14.7683, 14.3313, 15.4243

Square

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



12.7077, 14.3313, 17.4257



14.2434, 14.3313, 18.4382



14.5780, 14.3313, 13.9146



13.0179, 14.3313, 13.0768

Rectangle

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



12.7077, 14.3313, 17.4257



13.4902, 14.3313, 19.0044



14.5780, 14.3313, 13.9146



13.7535, 14.3313, 12.6361

Sweetspot

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



12.7081, 14.3319, 17.4260



25.3828, 27.3205, 30.8653



12.1203, 14.6174, 12.7257



6.0690, 6.5435, 7.4129



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.



12.7081, 14.3319, 17.4260



21.4891, 24.5768, 30.5410



11.6728, 12.2613, 17.0809



3.4364, 3.7380, 4.2946



8.2052, 11.0006, 19.4125



40.3938, 53.8396, 96.5422

Inverse Universe

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



13.1839, 12.0314, 16.0961



22.4773, 19.8619, 27.7642



13.5513, 14.1615, 11.9171



3.4949, 3.4457, 4.1330



10.1599, 4.9563, 13.1840



50.3689, 24.5929, 64.4001

Previews

White Background



This preview shows how the XYZ color 12.7077, 14.3313, 17.4257 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 12.7077, 14.3313, 17.4257 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

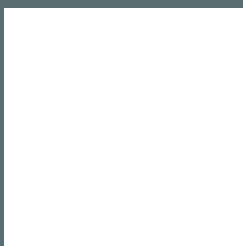
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.7077, 14.3313, 17.4257

Background



This preview shows how black text looks on a background with the XYZ color 12.7077, 14.3313, 17.4257.



This preview shows how white text looks on a background with the XYZ color 12.7077, 14.3313,

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

12.7077, 14.3313, 17.4257

Protanopia

13.8099, 14.2931, 16.7828

Deuteranopia

14.5130, 14.3375, 17.6253



Tritanopia

12.9871, 14.2848, 18.9024

Trichromacy



Original Color

12.7077, 14.3313, 17.4257

Protanomaly

13.3901, 14.2225, 17.0784

Deuteranomaly

13.7411, 14.2385, 17.6468

Tritanomaly

12.8707, 14.2382, 18.2896

Monochromacy



Original Color

12.7077, 14.3313, 17.4257

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.9535, 14.0223, 15.9338

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7077, 14.3313, 17.4257 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(91, 109, 112) looks like.

```
.text, #text, p{  
    color:rgb(91, 109, 112)  
}
```

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(91, 109, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 109, 112) }
```

Border

The CSS property to change the border of an element to XYZ 12.7077, 14.3313, 17.4257 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(91, 109, 112) }
```


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

```
.border{ border-color:rgb(91, 109, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 109, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(91, 109, 112); -webkit-box-shadow:4px 4px 4px 4px rgb(91, 109, 112); box-shadow:4px 4px 4px 4px rgb(91, 109, 112) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7077, 14.3313, 17.4257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 109, 112) }
```

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

```
.background{ background-color: rgb(91, 109,  
112) }
```

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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